



# TITANIUM DIOXIDE

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# ABOUT US

FOUNDED WITH A VISION TO TRANSFORM THE MINING INDUSTRY, SRIVAY INDUSTRIES LIMITED HAS EVOLVED INTO A TRUSTED MULTINATIONAL LEADER IN MINING, MINERALS, AND INFRASTRUCTURE.

OUR JOURNEY BEGAN WITH IRON ORE EXTRACTION AND SWIFTLY ADVANCED TO GLOBAL OPERATIONS, INCLUDING GRANITE, COPPER, CHROMITE, AND ILMENITE MINING, ALONG WITH STATE-OF-THE-ART PROCESSING AND EXPORT FACILITIES.

SRIVAY IS COMMITTED TO PIONEERING SUSTAINABILITY AND TECHNOLOGICAL ADVANCEMENT IN TRADITIONALLY UNORGANIZED SECTORS. WE PRIDE OURSELVES ON BUILDING A SEAMLESS GLOBAL SUPPLY CHAIN, DELIVERING HIGH-QUALITY NATURAL RESOURCES, AND FORGING STRATEGIC JOINT VENTURES ACROSS INDIA AND INTERNATIONAL MARKETS.

DRIVEN BY INNOVATION, INTEGRITY, AND EXPERTISE, SRIVAY IS SHAPING THE FUTURE OF THE MINERALS AND MINING INDUSTRY—EMPOWERING GLOBAL PROGRESS WHILE PRESERVING OUR PLANET FOR GENERATIONS TO COME.

Srivay is the authorized distributor for KMML's Kemox RC 822+ titanium dioxide pigment, managing global exports on their behalf. KMML (Kerala Minerals and Metals Limited) is a leading Indian manufacturer specializing in high-quality titanium dioxide pigments used across paints, coatings, plastics, and other industrial applications. As a trusted multinational mining and minerals corporation with operations across Asia, Africa, North America, and the Middle East, Srivay leverages its extensive international network and expertise to ensure reliable supply of KMML's premium products to customers worldwide.

[www.srivay.com](http://www.srivay.com)

# KEMOX TiO2 GRADES

| <b>Grade Name</b> | <b>Typical Charectristics</b>                                        | <b>Key Features</b>                                                                                                                                                                  | <b>Major Applications</b>                                                                                                                                                |
|-------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RC 800            | TiO <sub>2</sub> - 95.4% Al/Organic treated Oil Absorption -17.5     | High Brightness<br>High Dispersibility and Gloss<br>High Opacity and Tint Strength<br>Moderate Weather Resistance                                                                    | Interior Industrial and Architectural Coatings<br>Printing Inks<br>Wood Coatings<br>Electrodeposition<br>Interior Powder Coatings                                        |
| RC 808            | TiO <sub>2</sub> - 92.8% Al/Zr Organic treated Oil Absorption -20.5  | Very High Brightness<br>Superior Dispersibility and Gloss<br>High Opacity and Tint Strength<br>High Weather Resistance                                                               | Int. & Ext. Industrial Coatings<br>Architectural Coatings<br>Automotive OEM and Refinish<br>Exterior Powder Coatings<br>Coil Coatings and Printing Inks                  |
| RC 813            | TiO <sub>2</sub> - 84.0% Al/Si/Organic treated Oil Absorption - 35.0 | High Brightness<br>Excellent Dry Hide Opacity in Coatings above CPVC<br>High Oil Absorption<br>Good Weather Resistance                                                               | Flat Architectural Coatings<br>Matt Printing Inks<br>Wallpaper Coatings                                                                                                  |
| RC 822            | TiO <sub>2</sub> - 92.2% Al/Si/Organic treated Oil Absorption - 20.0 | High Brightness and Dispersion<br>Outstanding Weather Resistance<br>Excellent Opacity and Tint Strength                                                                              | Exterior High Durable Coatings<br>Architectural Coatings<br>Industrial Coatings<br>Durable Plastic                                                                       |
| RC 822+           | TiO <sub>2</sub> - 92.5% Al/Si/Organic treated Oil Absorption - 19.0 | High Gloss and Brightness<br>Excellent Dispersion<br>Outstanding Weather Resistance<br>Excellent Opacity and Tint Strength<br>Narrow Particle Size Distribution<br>High Bulk Density | Exterior High Durable Coatings<br>Architectural Coatings<br>Industrial Coatings<br>Durable Plastic<br>Agricultural Films                                                 |
| RC 829            | TiO <sub>2</sub> - 93.0% Al/Zr/Organic treated Oil Absorption - 18.0 | Excellent Dispersion and Gloss<br>High Opacity and Tint Strength<br>High Weather Resistance<br>Narrow Particle Size Distribution<br>High Bulk Density                                | General Industrial Coatings<br>Architectural Coatings<br>Interior and Exterior Coatings<br>Automotive, OEM and Refinish<br>Powder Coatings<br>Marine Protective Coatings |
| RC 800PG          | TiO <sub>2</sub> - 95.3% Al/Organic treated Oil Absorption - 17.5    | Blue Tint Tone - High Dispersibility<br>High Processability<br>Low Oil Absorption                                                                                                    | Polyolefins<br>Interior Rigid and Flexible PVC<br>Plastisols, Plastic Compounds<br>GP Master batches, Rubber                                                             |
| RC 800PG+         | TiO <sub>2</sub> - 95.3% Al/Organic treated Oil Absorption - 16.5    | Outstanding Brightness<br>Super Blue Tint Tone<br>Dispersibility and Gloss<br>Excellent Filterability<br>Low Oil Absorption & Moisture pick-up                                       | High Loaded Masterbatches<br>Plastics Requiring Blue White TiO <sub>2</sub><br>Polyolefins and Other Plastics                                                            |

# KEMOX - TiO<sub>2</sub> GRADE SELECTION CHART

| Printing Inks             |        |        |        |        |         |        |          |           |
|---------------------------|--------|--------|--------|--------|---------|--------|----------|-----------|
|                           | RC 800 | RC 808 | RC 813 | RC 822 | RC 822+ | RC 829 | RC 800PG | RC 800PG+ |
| Gravure Inks              | ◦      |        |        |        |         | ◦      |          |           |
| Flexographic Inks, Gloss  | -      | ◦      |        |        |         | ◦      |          |           |
| Flexographic Inks, Matt   |        |        | -      |        |         |        |          |           |
| Screen Printing Inks      | -      | -      |        | ◦      | ◦       | -      |          |           |
| Low Abrasion              | -      | -      |        |        |         | ◦      |          |           |
| Lamination                | -      | ◦      |        |        |         | ◦      |          |           |
| Lithography, Gloss        | -      | -      |        |        |         | ◦      |          |           |
| Lithography, Matt         |        |        | -      | ◦      | ◦       |        |          |           |
| UV-cured                  |        | -      |        |        |         | ◦      |          |           |
| Plastics                  |        |        |        |        |         |        |          |           |
|                           | RC 800 | RC 808 | RC 813 | RC 822 | RC 822+ | RC 829 | RC 800PG | RC 800PG+ |
| PVC, Interior             |        |        |        | -      | -       |        | -        | -         |
| PVC, Exterior             |        |        |        | -      | -       |        | -        | -         |
| Polyolefin / Masterbatch  |        |        |        |        |         |        | -        | -         |
| High-loaded Masterbatch   |        |        |        |        |         |        | -        | -         |
| Polystyrene               |        |        |        |        |         |        | -        | -         |
| Engineering Plastics      |        |        |        |        |         |        | ◦        | ◦         |
| General Plastics & Rubber |        |        | -      | -      |         |        |          |           |
| Paper                     |        |        |        |        |         |        | -        | -         |

-High Recommended   ◦ Recommended



# KEMOX - TiO<sub>2</sub> GRADE SELECTION CHART

| Industrial Coatings                |        |        |        |        |         |        |          |           |
|------------------------------------|--------|--------|--------|--------|---------|--------|----------|-----------|
|                                    | RC 800 | RC 808 | RC 813 | RC 822 | RC 822+ | RC 829 | RC 800PG | RC 800PG+ |
| Solvent-based, Interior            | -      | -      |        | ◦      | ◦       | -      |          |           |
| Solvent-based, Exterior            | -      | -      |        |        |         | -      |          |           |
| Water-based, Interior              | -      | -      |        | ◦      | ◦       | -      |          |           |
| Water-based, Exterior              | -      | -      |        | ◦      | ◦       | -      |          |           |
| Powder Coatings, Interior          | -      | -      |        | ◦      | ◦       | -      |          |           |
| Powder Coatings, Exterior          |        | -      |        | ◦      | ◦       | -      |          |           |
| Automotive, OEM Topcoat & Refinish |        | -      |        | ◦      | ◦       | -      |          |           |
| Automotive, OEM Basecoat           |        | -      |        | ◦      | ◦       | -      |          |           |
| Coil Coatings                      | ◦      | -      |        | ◦      | ◦       | -      |          |           |
| Can Coatings                       | -      | -      |        | ◦      | ◦       | -      |          |           |
| Marine Coatings                    |        | -      |        | ◦      | ◦       | -      |          |           |
| Wood Coating                       |        | -      |        |        |         | -      |          |           |
| Road Marking/Traffic               | ◦      |        |        | -      | -       | -      |          |           |
| Synthetic Leather                  | ◦      |        |        | -      | -       | -      |          |           |
| Concrete                           |        |        |        | -      | -       | ◦      |          |           |
| Architectural Coatings             |        |        |        |        |         |        |          |           |
|                                    | RC 800 | RC 808 | RC 813 | RC 822 | RC 822+ | RC 829 | RC 800PG | RC 800PG+ |
| Gloss Emulsion, Interior           | -      | -      |        | ◦      | ◦       | -      |          |           |
| Gloss Emulsion, Exterior           | -      | -      |        | ◦      | ◦       | -      |          |           |
| Semi-Gloss Emulsion, Interior      |        |        |        | -      | -       | ◦      |          |           |
| Semi-Gloss Emulsion, Exterior      |        |        |        | -      | -       | ◦      |          |           |
| Flat Emulsion, Int. & Ext.         |        |        | -      |        | ◦       |        |          |           |

-High Recommended      ◦ Recommended

# KEMOX Grade Comparison with Competitors

| KEMOX GRADE | CHEMOURS     | TRONOX                                          | KRONOS               | VENATOR        | LB GROUP                     | APPLICATIONS                                                                                                                                                                                   |
|-------------|--------------|-------------------------------------------------|----------------------|----------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RC 800      | R 900        |                                                 | 2300                 | RFDO<br>R-TC90 | LR 982                       | - Interior Industrial and Architectural Coatings<br>- Printing Inks<br>- Wood Coatings<br>- Electrodeposition<br>- Interior Powder Coatings                                                    |
| RC 808      | R 706        | Tiona 828<br>Tiona 128<br>Tikon 35              | 2310                 | TR 92          | BLR 895<br>BLR 699<br>LR 996 | - Int. & Ext. Industrial Coatings<br>- Architectural Coatings<br>- Automotive OEM & Refinish<br>- Exterior Powder Coatings<br>- Coil Coatings, Printing Inks                                   |
| RC 813      | R 931        | Tiona 813<br>Tiona 113<br>Tikon 8140            | 2044<br>2043         | RDDI<br>R-XL   |                              | - Flat Architectural Coatings<br>- Matt Printing Inks<br>- Wallpaper Coatings                                                                                                                  |
| RC 822      | R 706        | Tiona 822<br>Tiona 122                          | 2360                 | TR88           | BLR 896<br>LR 972            | - Exterior High Durable Coatings<br>- Architectural Coatings<br>- Industrial Coatings<br>- Durable Plastic                                                                                     |
| RC 822+     | R 706 R 902+ | Tiona 826<br>Tiona 121                          | 2360                 | TR93           | BLR 896                      | - Exterior High Durable Coatings<br>- Architectural Coatings<br>- Industrial Coatings<br>- Durable Plastic<br>- Agricultural Films                                                             |
| RC 829      |              | Tiona 595<br>Tiona 828<br>Tiona 128<br>Tikon 33 | 2190                 | TR 81<br>TR 90 | BLR 895<br>BLR 698<br>LR 996 | - General Industrial Coatings<br>- Architectural Coatings<br>- Interior & Exterior Coatings<br>- Automotive, OEM & Refinish<br>- Powder Coatings<br>- Marine, Protective, & Container Coatings |
| RC 800PG    |              | Tikon 36                                        | 2073<br>2075<br>2211 | TR 28          | BLR 886<br>BLR 688<br>LR108  | - Polyolefins<br>- Interior Rigid & Flexible PVC<br>- Plastisols, Plastic Compound<br>- GP Masterbatches, Rubber                                                                               |
| RC 800PG+   | R 101        | Tiona 834<br>Tiona 134                          | 2073<br>2450         | R-FC5<br>TR 48 | BLR 886<br>LR108             | - High Loaded Masterbatches<br>- Plastics Requiring Blue White TiO <sub>2</sub><br>- Polyolefins & Other Plastics                                                                              |

# KEMOX RC 822+ TiO<sub>2</sub> PIGMENT

KEMOX RC 822+ is a chloride-process, rutile titanium dioxide pigment, specifically designed to provide an exceptional combination of superior optical properties, ease of dispersion, and outstanding durability in a wide range of architectural as well as industrial coating applications. With its optimized silica and alumina coating, RC 822+ is designed to provide superior dispersion performance and durability in most demanding exterior applications.

## Key Features

- Excellent Dispersion
- High Gloss and Brightness
- Clean and Neutral Tone
- High Bulk Density
- Outstanding Weather Resistance
- Excellent Opacity and Tint Strength
- Narrower Particle Size Distribution

## Applications

- Exterior and Architectural Interior Finishes
- Industrial Coatings
- Solvent and Water-Based Coatings
- Exterior Powder Coatings
- Road Marking
- Durable Plastic Applications Including PVC Profile and Pipes
- Agricultural Films
- Outdoor Plastic Furniture
- Quartz Stone

## Typical Product Characteristics

### Property

TiO<sub>2</sub> content, %  
Rutile Content, %  
Specific Gravity  
Bulk Density, g/cc  
Surface Treatment  
Oil Absorption, g/100g  
Median Particle Size, µm  
pH  
Volatile Matter at 110°C, %  
Dispersibility  
Grit (325 Mesh), %  
ISO 591-1:2000

### Value

: 92.5  
: 99+  
: 4  
: 0.9  
: Alumina, Silica, Polyol  
: 19  
: 0.33  
: 7  
: 0.42  
: 7  
: < 0.01  
: Type R2

### Packaging

Available in 25 kg multi-wall paper bags / 1000 kgs Jumbo bags (on demand)



# KEMOX RC 813 TiO<sub>2</sub> PIGMENT

KEMOX RC 813 is a heavily-treated, chloride-process, rutile titanium dioxide pigment, designed to provide maximum hiding and film integrity in architectural coatings formulated above CPVC.

## Key Features

- Excellent Dry Hide Opacity and Tint Strength at High PVC Concentrations
- Neutral Tone
- High Oil Absorption providing Low Gloss and Sheen
- Ease of Dispersion
- Good Weather Resistance

## Applications

- Flat Architectural Coatings
- Solvent and Water Based Coatings
- Matt Printing Inks
- Wallpaper Coatings

## Typical Product Characteristics

### Property

TiO<sub>2</sub> content, %  
Rutile Content, %  
Specific Gravity  
Bulk Density, g/cc  
Surface Treatment  
Oil Absorption, g/100g  
Median Particle Size, µm  
pH  
Volatile Matter at 110°C, %  
Dispersibility  
Grit (325 Mesh), %  
ISO 591-1:2000

### Value

: 84.0  
: 99  
: 3.73  
: 0.55  
: Alumina, Silica, Polyol  
: 35.0  
: 0.45  
: 7.1  
: 1.0  
: 6.5  
: < 0.2  
: Type R3

### Packaging

Available in 25 kg multi-wall paper bags / 800 kgs Jumbo bags (on demand)



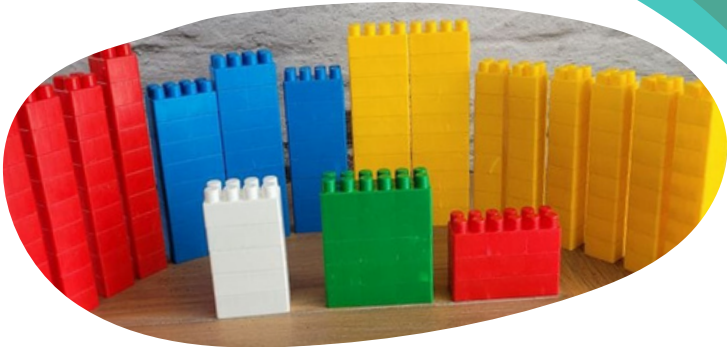


# KEMOX RC 800PG+ TiO<sub>2</sub> PIGMENT

KEMOX RC 800PG+ is a chloride process, rutile titanium dioxide pigment, designed for highly TiO<sub>2</sub> loaded plastic masterbatches.

## Key Features

- Super Blue Tint Tone
- Outstanding Dispersibility and Gloss
- Excellent Filterability (Low Filter Pressure Value)
- Low Moisture Pick-up
- Moderate Durability
- Low Oil Absorption



## Applications

- High Loaded Masterbatches
- Plastics Requiring Blue White TiO<sub>2</sub>
- PVC (interior)
- Flexible PVC and Plasticsols
- Thin Films
- Polyolefins and Other Plastics
- Industrial Adhesives



## Typical Product Characteristics

### Property

TiO<sub>2</sub> content, %  
Rutile Content, %  
Specific Gravity  
Bulk Density, g/cc  
Surface Treatment  
Oil Absorption, g/100g  
Median Particle Size, µm  
pH  
Volatile Matter at 110°C, %  
Dispersibility  
PFV (EN ISO 23900-5:2019-01), bar/g  
Grit (325 Mesh), %  
ISO 591-1:2000

### Value

: 95.3  
: 99+  
: 4.1  
: 0.87  
: Alumina, Polyol  
: 16.5  
: 0.30  
: 6.0  
: 0.30  
: 6.75  
: 0.03  
: < 0.2  
: Type R2



### Packaging

Available in 25 kg multi-wall paper bags

# KEMOX RC 822 TiO<sub>2</sub> PIGMENT

KEMOX RC 822 is a chloride-process, rutile titanium dioxide pigment, designed for use especially in coatings to provide superior durability. It is characterized by a balance of good optical properties, exceptional durability and ease of dispersion.

## Key Features

- Outstanding Weather Resistance
- Excellent Gloss Retention and Color Stability
- Excellent Opacity and Tint Strength
- High Dispersion
- High Brightness

## Applications

- Exterior High Durable Applications
- Exterior and Interior Architectural Coatings
- Industrial Coatings, Solvent and Water Based
- Durable Plastic Applications Including PVC Profile and Pipes
- Agricultural Films
- Road Marking
- Outdoor Plastic Furniture

## Typical Product Characteristics

### Property

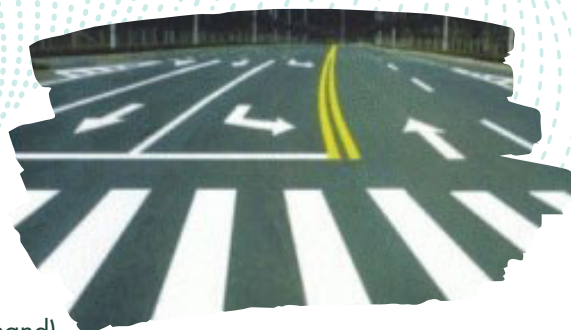
TiO<sub>2</sub> content, %  
Rutile Content, %  
Specific Gravity  
Bulk Density, g/cc  
Surface Treatment  
Oil Absorption, g/100g  
Median Particle Size,(LLD), µm  
pH  
Volatile Matter at 110°C, %  
Dispersibility  
Grit (325 Mesh), %  
ISO 591-1:2000

### Value

: 92.2  
: 99+  
: 4.0  
: 0.87  
: Alumina, Silica, Polyol  
: 20.0  
: 0.36  
: 7.1  
: 0.45  
: 6.75  
: < 0.2  
: Type R2

### Packaging

Available in 25 kg multi-wall paper bags / 1000 kg Jumbo bags (on demand)



# KEMOX RC 800 TiO<sub>2</sub> PIGMENT

KEMOX RC 800 is a rutile titanium dioxide pigment manufactured by the chloride process for general interior coatings and inks applications.

## Key Features

- High Brightness
- High Dispersibility and Gloss
- High Opacity and Tint Strength
- Moderate Weather Resistance



## Applications

- Interior Industrial and Architectural Coatings
- Waterborne and Solvent-based Printing Inks
- High Gloss Gravure and Flexographic Inks
- Electrodeposition Applications
- Wood Coatings
- Interior Powder Coatings
- Interior Can and Coil Coatings



## Typical Product Characteristics

### Property

TiO<sub>2</sub> content, %  
Rutile Content, %  
Specific Gravity  
Bulk Density, g/cc  
Surface Treatment  
Oil Absorption, g/100g  
Median Particle Size,(LLD), μm  
pH  
Volatile Matter at 110°C, %  
Dispersibility  
Grit (325 Mesh), %  
ISO 591-1:2000

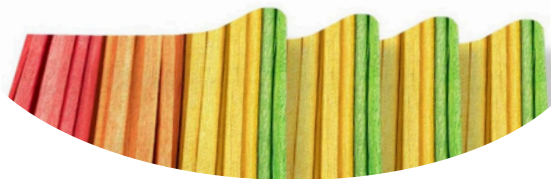
### Value

: 95.4  
: 99+  
: 4.1  
: 0.88  
: Alumina, Polyol  
: 17.5  
: 0.30  
: 6.0  
: 0.45  
: 6.75  
: < 0.2  
: Type R2



### Packaging

Available in 25 kg multi-wall paper bags





# KEMOX RC 829 TiO<sub>2</sub> PIGMENT

KEMOX RC 829 is a multipurpose, universal grade, chloride-process, rutile titanium dioxide pigment, designed to provide outstanding combination of dispersion, opacity, gloss, and durability in a wide range of coating applications.

## Key Features

- Excellent Optical Properties, Dispersion and Gloss
- High Opacity and Tint Strength
- High Weather Resistance
- Clean Tint Tone
- Narrow Particle Size Distribution
- High Bulk Density



## Applications

- General Industrial Coatings
- Architectural Coatings
- Interior and Exterior Coatings
- Automotive, OEM and Refinish
- Powder Coatings
- Marine, Protective, and Container Coatings
- Printing Inks (Flexo, Screen, UV-cured)



## Typical Product Characteristics

### Property

TiO<sub>2</sub> content, %  
Rutile Content, %  
Specific Gravity  
Bulk Density, g/cc  
Surface Treatment  
Oil Absorption, g/100g  
Median Particle Size,(LLD), µm  
pH  
Volatile Matter at 110°C, %  
Dispersibility  
Grit (325 Mesh), %  
ISO 591-1:2000

### Value

: 93.0  
: 99+  
: 4.0  
: 0.92  
: Alumina, Zirconia, Polyol  
: 18.0  
: 0.33  
: 7.5  
: 0.45  
: 7.00  
: < 0.2  
: Type R2



### Packaging

Available in 25 kg multi-wall paper bags





# KEMOX RC 808 TiO<sub>2</sub> PIGMENT

KEMOX RC 808 is a chloride-process, rutile titanium dioxide pigment, designed for multipurpose applications where outstanding optical properties, high gloss, and durability are required.

## Key Features

- Superior Dispersibility and Gloss
- Very High Brightness
- High Opacity and Tint Strength
- High Weather Resistance

## Applications

- Automotive OEM and Refinish
- Interior and Exterior Coatings
- General Industrial Coatings
- Architectural Coatings
- Powder Coatings
- Coil Coatings and Radiation-Curing Finishes
- Marine and Protective Coatings
- Printing Inks (Flexo, Screen, UV-cured)

## Typical Product Characteristics

### Property

TiO<sub>2</sub> content, %  
Rutile Content, %  
Specific Gravity  
Bulk Density, g/cc  
Surface Treatment  
Oil Absorption, g/100g  
Median Particle Size,(LLD), µm  
pH  
Volatile Matter at 110°C, %  
Dispersibility  
Grit (325 Mesh), %  
ISO 591-1:2000

### Value

: 92.8  
: 99+  
: 4.0  
: 0.85  
: Alumina, Zirconia, Polyol  
: 20.5  
: 0.37  
: 7.5  
: 0.45  
: 7.50  
: < 0.2  
: Type R2

### Packaging

Available in 25 kg multi-wall paper bags



# Contact us

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**SRIVAY**