

# KOPET® KP132FR

Polyethylene Terephthalate

Kolon Plastics, Inc.

Message:

KOPET® KP132FR is a Polyethylene Terephthalate (PET) product. It can be processed by extrusion or fiber (spinning) extrusion and is available in Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

Flame Retardant

| General Information |                            |  |  |
|---------------------|----------------------------|--|--|
| Additive            | Flame Retardant            |  |  |
| Features            | Flame Retardant            |  |  |
| Processing Method   | Extrusion                  |  |  |
|                     | Fiber (Spinning) Extrusion |  |  |

| Physical                                     | Nominal Value | Unit  | Test Method |
|----------------------------------------------|---------------|-------|-------------|
| Specific Gravity                             | 1.70          | g/cm³ | ASTM D792   |
| Water Absorption (Equilibrium, 23°C, 60% RH) | 0.050         | %     | ASTM D570   |

| Mechanical                       | Nominal Value | Unit | Test Method |
|----------------------------------|---------------|------|-------------|
| Tensile Strength (23°C)          | 67.7          | MPa  | ASTM D638   |
| Tensile Elongation (Break, 23°C) | 83            | %    | ASTM D638   |
| Flexural Modulus (23°C)          | 2650          | MPa  | ASTM D790   |
| Flexural Strength (23°C)         | 103           | MPa  | ASTM D790   |

| Impact                     | Nominal Value | Unit | Test Method |
|----------------------------|---------------|------|-------------|
| Notched Izod Impact (23°C) | 25            | J/m  | ASTM D256   |

| Thermal                                                  | Nominal Value | Unit | Test Method |
|----------------------------------------------------------|---------------|------|-------------|
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 103           | °C   | ASTM D648A  |
| Peak Melting Temperature                                 | 254           | °C   | ASTM D3418  |

| Flammability | Nominal Value | Test Method |
|--------------|---------------|-------------|
| Flame Rating | V-2           | UL 94       |

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

