



Product: PolyPropylene
Grade: Homopolymer, Fiber Extrusion (CF, BCF, Staple)
Trade Name: HP552R

Typical Applications

HP552R can be used for Nonwoven fabrics for diapers, Medical-sanitary, Sport bags, Bulk bags and safety belts upholstery and sportswear, Nonwoven staple fiber, Hygiene nonwoven.



Medical Sanitary Mask



Diapers Fabric





Asia Petrochemicals LLC

TDS FOR HP552R

PRODUCT DESCRIPTION

HP552R is a high melt flow rate homopolymer for the production of CF, BCF and fine denier staple fibers at medium to high spinning speeds and exhibits excellent antigasfading properties. HP552R is suited for the production of bulked continuous filament for carpets. HP552R is suitable for food grades.

Processing Method:

Fiber Extrusion (CF, BCF, Staple)

Packing: 25 Kg plastic bag

| PROPERTY | TYPICAL VALUE* | UNIT | TEST METHOD |
|--|----------------|-------------------|-------------|
| <u>Physical</u> | | | |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C, 2.16 kg) | 25 | g/10 min | ASTM D1238 |
| <u>Mechanical</u> | | | |
| Flexural Modulus | 1500 | MPa | ASTM D790 |
| Tensile Strength at Yield | 32 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 13 | % | ASTM D638 |
| Izod Impact Strength (notched) at 23°C | 30 | J/m | ASTM D256 |
| Rockwell Hardness | 100 | R Scale | ASTM D785 |
| <u>Thermal</u> | | | |
| Vicat Softening Temperature (10N) | 152 | °C | ASTM D1525 |
| H.D.T. (0.46 Mpa) | 94 | °C | ASTM D648 |
| Accelerated Oven Ageing in air at 150°C | 150 | hours | ASTM D3012 |

For further information please visit <http://www.asia-petrochem.com> or send an enquiry to info@asia-petrochem.com

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