

HP562R

Homopolymer

Description:

HP562R is a high melt flow homopolymer with narrow molecular weight distribution for the high speed production of low denier continuous filament for spun bonded, nonwoven fabrics. The major applications for spun bonded fabrics made of HP562R are diapers, medical and sanitary tissues, protective fabrics for agricultural, industrial and medical applications, backings and linings for the furniture, bedding and carpet industries. HP562R can also be used for the production of partially oriented yarn and bulked continuous filament. HP562R is suitable for food contact.

Typical Applications

- Spunbonded, nonwoven fabrics
- Diapers, medical and sanitary tissues
- Protective fabrics for agricultural, industrial and medical applications
- Backings and linings for the furniture, bedding and carpet industries
- Oriented yarn and bulked continuous filament

Features: High melt flow, Narrow molecular weight distribution

Suitable for: Fiber Extrusion (CF, Staple)

Product Specification

| PHYSICAL/MECHANICAL PROPERTIES | VALUE* | UNIT | TEST METHOD |
|--|--------|-------------------|-------------|
| Melt Flow Rate (230 °C, 2.16 kg) | 25 | g/10 min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Flexural Modulus | 1200 | MPa | ASTM D790 |
| Tensile Strength at Yield | 30 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 14 | % | ASTM D638 |
| Izod Impact Strength (notched) at 23 °C | 30 | J/m | ASTM D256 |
| Rockwell Hardness | 92 | R Scale | ASTM D785 |
| Vicat softening point (10 N) | 151 | °C | ASTM D1525 |
| H.D.T. (0.46 MPa) | 92 | °C | ASTM D648 |
| Accelerated oven ageing in air at 150 °C | 150 | h | ASTM D3012 |

* Typical values; not to be considered as product specification.