

Jampilen HP565S

Homopolymer



Description:

"Jampilen HP565S" is a high melt flow rate homopolymer with a narrow molecular weight distribution for the high speed production of low denier continuous filament for spunbonded, nonwoven fabrics. The major applications for spunbonded fabrics made of "Jampilen HP565S" are diapers, medical and sanitary tissues, protective fabrics for agricultural, industrial and medical applications, backings and linings for the furniture and carpet industries. This grade can also be used for the production of partially oriented yarn and bulked continuous filament. "Jampilen HP565S" is suitable for food contact.

Processing Method:

Fiber Extrusion (CF, BCF)

Features:

High melt flow
Narrow molecular weight distribution
Homopolymer

Typical Applications:

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

Approval:

Food

| TYPICAL PROPERTIES | VALUE | UNIT | METHOD |
|--|-------|-------------------|------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16kg) | 38 | g/10min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| Flexural Modulus | 1250 | MPa | ASTM D790 |
| Tensile Strength at Yield | 32 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 10 | % | ASTM D638 |
| Izod Impact Strength (notched) at 23 °C | 30 | J/m | ASTM D256 |
| Rockwell Hardness | 95 | R Scale | ASTM D785 |
| Thermal | | | |
| Vicat softening point (10N) | 151 | °C | ASTM D1525 |
| H.D.T. (0.46 Mpa) | 91 | °C | ASTM D648 |
| Accelerated oven ageing in air at 150 °C | 250 | hours | ASTM D3012 |