



P-CR-380 Homopolymer

Description:

"Polynar P-CR-380" is a high melt flow rate homo-polymer polypropylene with a narrow molecular weight distribution for the high speed production of low denier continuous filament for spun-bonded, nonwoven fabrics with an excellent balance of mechanical properties and softness.

"Polynar P-CR-380" is formulated with an anti-gas fading stabilization package and characterized by consistent high speed and low nonwoven weights.

"Polynar P-CR-380" is suitable for nonwoven fabrics for diapers, medical-sanitary applications, and protective fabrics for agricultural, industrial and medical applications. Backing and linings for the furniture and carpet industries.

"Polynar P-CR-380" can also be used for the production of partially oriented yarn and bulked continuous filament.

"Polynar P-CR-380" is suitable for food contact.

Processing Method:

Fiber Extrusion (Filament)

Fiber Spinning

Features:

High melt flow

Narrow molecular weight distribution

Controlled rheology

Excellent anti-gas fading properties

Good processability

Homopolymer

Typical Applications:

Spunbonded, Nonwoven fabrics

Fabrics for diapers, medical-sanitary applications

Protective fabrics for agricultural, industrial and medical applications

Wipes and tissues

Bulk continuous filament and oriented yarn

backing and linings for the furniture and carpet industries.

Nonwoven staple fiber

| TYPICAL PROPERTIES | VALUE | UNIT | METHOD |
|---|-------|-------------------|------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16kg) | 35-40 | g/10min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| Flexural Modulus | 1500 | MPa | ASTM D790 |
| Tensile Strength at Yield | 33 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 8 | % | ASTM D638 |
| Izod Impact Strength (notched) at 23 °C | 30 | J/m | ASTM D256 |
| Thermal | | | |
| Vicat softening point (10N) | 155 | °C | ASTM D1525 |
| H.D.T. (0.46 Mpa) | 91 | °C | ASTM D648 |

ISO 9001

OHSAS 18001

ISO 14001



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