

Product Texts

Homopolymer for weaving tapes.

Processing/Physical Characteristics

| | Value | Unit | Test Standard |
|----------------------|-------|---------|---------------|
| ISO Data | | | |
| Melt flow index, MFI | 3 | g/10min | ISO 1133 |
| Temperature | 230 | °C | - |
| Load | 2.16 | kg | - |

Mechanical properties

| | Value | Unit | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 1900 | MPa | ISO 527 |
| Yield stress | 37 | MPa | ISO 527 |
| Yield strain | 8.5 | % | ISO 527 |
| Flexural modulus, 23°C | 1950 | MPa | ISO 178 |
| Izod notched impact strength, +23°C | 6 | kJ/m ² | ISO 180/1A |
| Rockwell hardness | R 105 | - | ISO 2039-2 |

Thermal properties

| | Value | Unit | Test Standard |
|--|-------|------|---------------|
| ISO Data | | | |
| Temp. of deflection under load, 0.45 MPa | 106 | °C | ISO 75-1/-2 |

Processing Recommendation Extrusion

| | Value | Unit | Test Standard |
|------------------|-----------|------|---------------|
| Melt temperature | 230 - 260 | °C | - |

Characteristics**Processing**

Injection Molding, Sheet Extrusion, Other Extrusion, Thermoforming

Delivery form

Pellets

Features

Homopolymer

Certifications

Food contact, Food approval BfR, Food approval 1935/2004/EC, Food approval 10/2011, Food approval FDA 21 CFR

Applications

Medical, Monofilament, Packaging

Regional Availability

Europe