



Pro-fax SF6100

Polypropylene, Homopolymer

Product Description

SF6100 is a standard polypropylene homopolymer, but without slip or anti-block additives. With its normal molecular weight distribution, good consistency, it is quite suitable for extrusion of cast film. Potential end use applications include adhesive tapes, side tapes for diapers, etc. , as well as injection molded housewares and other parts.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Africa-Middle East, Latin America
Processing Method	Cast Film, Injection Molding
Features	Homopolymer, Medium - Wide Molecular Weight Distribution
Typical Customer Applications	Housewares, Cast Film

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	0.905 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	11.5 g/10 min
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	35 MPa
Flexural modulus	ISO 178	1350 MPa
Impact		
Notched izod impact strength (20 °C)	ISO 180	-- kJ/m ²
Hardness		
Shore hardness (Shore Units)	ISO 868	70
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	88 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	55 °C
Vicat softening temperature	ISO 306	151 °C

Additional Properties

SF6100 is designed to comply with European and USA (FDA) food contact regulations. For further details regarding appropriate end use applications, please contact your local Basell representative.

Notes

Typical properties; not to be construed as specifications.

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- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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