



Pro-fax 6323

Pro-fax 6323 general purpose polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

Physical Properties

MEASUREMENT	CONDITION	Value
Density / Specific Gravity	ASTM D792B ISO 1183/A	0.900 0.900g/cm ³
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	ASTM D1238	12g/10 min

Mechanical Properties

MEASUREMENT	CONDITION	Value
Tensile Strength Yield ² Yield, 73°F	ASTM D638 ISO 527-2	4930psi 4500psi
Tensile Elongation Yield Yield, 73°F	ASTM D638 ISO 527-2	11% 11%
Flexural Modulus 1% Secant ³ 73°F	ASTM D790A ISO 178	210000psi 187000psi

Impact Properties

MEASUREMENT	CONDITION	Value
Charpy Notched Impact Strength (73°F)	ISO 179	2.0ft-lb/in ²
Notched Izod Impact 73°F 73°F	ASTM D256A ISO 180	0.60ft-lb/in 2.0ft-lb/in ²

Features

- Good Stiffness
- Heat Aging Resistant
- High ESCR
(Stress Crack Resist.)
- Homopolymer

Processing Method

- Injection Molding

Applications

- Automotive Applications
- Caps
- Closures
- Containers
- Sporting Goods
- Toys

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Thermal Properties

MEASUREMENT	CONDITION	Value
Deflection Temperature Under Load	ASTM D648	199°F
66 psi, Unannealed	ISO 75-2/B	169°F
66 psi, Unannealed	ISO 75-2/A	120°F
264 psi, Unannealed		

Notes

²2.0 in/min

³0.051 in/min

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