



Pro-fax 6523

Polypropylene, Homopolymer

Product Description

Pro-fax 6523 general purpose polypropylene homopolymer resin is available in pellet form.

An ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax* 6523.

For regulatory compliance information see *Pro-fax* 6523 Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	North America
Processing Methods	Extrusion Thermoforming, Injection Molding
Features	High ESCR (Environmental Stress Cracking Resistance), Good Heat Aging Resistance , Good Stiffness
Typical Customer Applications	Housewares, Thermoformed Food Containers

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	4	g/10 min
Density (23°C)	ISO 1183	0.90	
<i>Note: Method A</i>			
Mechanical			
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	30	MPa
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	12	%
Flexural modulus (23 °C)	ISO 178	1270	MPa
Impact			
Charpy notched impact strength (23 °C)	ISO 179	6.7	kJ/m ²
Notched izod impact strength (23 °C)	ISO 180	6.2	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	79	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	50	°C

Additional Properties

AUTOMOTIVE SPECIFICATIONS:
 Chrysler MS-DB500 CPN 1537
 Ford ESA-M4D134-A
 Ford ESF-M4D135-A
 GM GMP.PP.013

Notes

Typical properties; not to be construed as specifications.