Pro-fax 7823

Polypropylene, Impact Copolymer

Product Description

Pro-fax 7823 fractional melt flow polypropylene copolymer is available in pellet form. This resin is typically used in extrusion applications and offers high melt strength and excellent impact resistance.

An ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax* 7823

For regulatory compliance information see *Pro-fax* 7823 Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	North America
Processing Methods	Blown Film, Extrusion Blow Molding, Tapes & Raffia
Features	Good Heat Aging Resistance , Good Impact Resistance , Low Temperature Impact Resistance, Good Melt Strength , Good Stiffness
Typical Customer Applications	Film Wrap, Food Packaging Film, Raffia/Tapes/Strapping, Under-the-Hood & Structural Applications

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	0.45	g/10 min
Density (23°C)	ISO 1183	0.90	g/cm³
Note: Method A			
Mechanical			
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	26	MPa
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	11	%
Flexural modulus (23 °C)	ISO 178	1180	MPa
Impact			
Charpy notched impact strength	ISO 179		
(23 °C)		66	kJ/m²
(-40 °C)		2.9	kJ/m²
Notched izod impact strength	ISO 180		
(23 °C)		64	kJ/m²
(-40 °C)		4.0	kJ/m²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	78	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	49	°C

Additional Properties

AUTOMOTIVE SPECIFICATIONS:
Chrysler MS-DB500 CPN 3735
Chrysler MS-DB500 CPN 4002

Ford ESA-M4D281-A
Ford WSS-M4D932-A1
Ford WSS-M4D932-B1
GM GMP.PP.021
GM GMW 15702 - 150041
GM GMW17178-T1
Opel QK003721

Notes

Typical properties; not to be construed as specifications.