Technical Data Sheet

Pro-fax SB891

Polypropylene, Impact Copolymer

Product Description

Pro-fax SB891 impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers a very good stiffness/impact balance.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* SB891.

Application	Interior Automotive Applications; Opaque Containers; Sports, Leisure & Toys
Market	Automotive; Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	General Purpose

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	35	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1160	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	25	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	5.0	kJ/m²	ISO 179
(-40 °C)	1.5	kJ/m²	ISO 179
Notched Izod Impact Strength			
(23 °C)	5.0	kJ/m²	ISO 180
(-40 °C)	2.8	kJ/m²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	72	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	49	°C	ISO 75A-1, -2