

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.

Regulatory Status

For regulatory compliance information, see *Pro-fax* SB891 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
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	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	35	g/10 min	35	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm ³	0.90	g/cm ³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	180000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1240	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3800	psi			ASTM D638
(50 mm/min)			26	MPa	ASTM D638
Tensile Elongation at Yield	6	%	6	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.0	ft-lb/in			ASTM D256
(23 °C, Method A)			53	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	195	°F			ASTM D648
(0.45 MPa, Unannealed)			91	°C	ASTM D648

Notes

These are typical property values not to be construed as specification limits.

Automotive Specifications

- ▶ FCA MS-DB500 CPN 4463
- ▶ FCA MS-DB500 CPN 4466
- ▶ Ford WSB-M4D638-A
- ▶ GM GMP.PP.001
- ▶ GM GMP.PP.002
- ▶ GM GMP.PP.006
- ▶ GM GMP.PP.033
- ▶ GM GMW16208-T1