

## 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.

<b>Status</b>	Commercial: Active
<b>Availability</b>	North America
<b>Application</b>	Interior Automotive Applications; Opaque Containers; Sports, Leisure & Toys
<b>Market</b>	Automotive; Consumer Products; Rigid Packaging
<b>Processing Method</b>	Compounding; Injection Molding
<b>Attribute</b>	General Purpose

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
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 <sup>3</sup>	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>					
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
<b>Impact</b>					
Notched Izod Impact Strength					
(73 °F, Method A)	1.0	ft-lb/in			ASTM D256
(23 °C, Method A)			53	J/m	ASTM D256
<b>Thermal</b>					
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