Technical Data Sheet

Pro-fax SG899

Polypropylene, Impact Copolymer

Product Description

Pro-fax SG899 high impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers excellent cold temperature impact resistance.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* SG899.

Status	Commercial: Active
Availability	North America
Application	Interior Automotive Applications
Market	Automotive
Processing Method	Compounding; Injection Molding
Attribute	Good Colorability; Good Processability; Good Stiffness; High Impact Resistance

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/cm³	0.90	g/cm³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	155000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1070	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3100	psi			ASTM D638
(50 mm/min)			21	MPa	ASTM D638
Tensile Elongation at Yield	5	%	5	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	3.9	ft-lb/in			ASTM D256
(23 °C, Method A)			208	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	210	°F			ASTM D648
(0.45 MPa, Unannealed)			99	°C	ASTM D648

Notes

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

Automotive Specifications

- FCA MS-DB500 CPN 3560
- FCA MS-DB500 CPN 4382
- Ford WSB-M4D638-A
- GM GMP.PP.033
- GM GMW16208-T3

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.