



Pro-fax SG802N

Polypropylene, Impact Copolymer

Product Description

Pro-fax SG802N high impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers very good cold temperature impact resistance.

An ASTM and ISO-based versions of the technical datasheet are available for Pro-fax SG802N

For regulatory compliance information see Pro-fax SG802N Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	North America
Processing Methods	Injection Molding
Features	Low Temperature Impact Resistance, Good Stiffness
Typical Customer Applications	Interior Applications, Opaque Containers, Under-the-Hood & Structural Applications

Typical Properties	Method	Value	Unit
Physical			
Density - Specific Gravity <i>Note: 23/23°C Method B</i>	ASTM D 792	0.90	
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	35	g/10 min
Mechanical			
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1.3 mm/min, 1% Secant, Procedure A)	ASTM D 790	160000 1105	psi MPa
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	3100 21	psi MPa
Tensile Elongation @ Yield	ASTM D 638	5	%
Impact			
Notched Izod Impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	2.6 139	ft-lb/in J/m
Thermal			
Deformation Temperature Under Load (66 psi) (0.45 MPa) <i>Note: Unannealed</i>	ASTM D 648	210 99	°F °C

Additional Properties

AUTOMOTIVE SPECIFICATIONS:

Chrysler MS-DB500 CPN 500
Chrysler MS-DB500 CPN 3560
Chrysler MS-DB500 CPN 3562
Ford WSB-M4D638-A
Ford WSS-M4D638-B
GM GMP.PP.002
GM GMP.PP.006
GM GMP.PP.033
GM GMP.PP.096
GM GMW16007
GM GMW16008-T2
GM GMW16208-T1
Opel QK003761

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyb.com/>.

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All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Safety Data Sheet before handling the product.

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