



Pro-fax SD242

Polypropylene, Impact Copolymer

Product Description

Pro-fax SD-242 nucleated impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers an excellent stiffness/impact balance.

An ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax* SD242

For regulatory compliance information see *Pro-fax* SD242 Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	North America
Processing Methods	Injection Molding
Features	Good Moldability , Nucleated, Good Stiffness
Typical Customer Applications	Interior Applications, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity (Method B) <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	210000 1450	psi MPa
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	4100 28	psi MPa
Tensile Elongation @ Yield	ASTM D 638	5	%
Impact			
Notched Izod Impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	0.9 48	ft-lb/in J/m
Thermal			
Deformation Temperature Under Load (66 psi) (0.45 MPa) <i>Note: Unannealed</i>	ASTM D 648	235 113	°F °C

Additional Properties

AUTOMOTIVE SPECIFICATIONS:
Chrysler MS-DB500 CPN 3560
Chrysler MS-DB500 CPN 3562
Ford WSB-M4D638-A

GM GMP.PP.096
GM GMW16208-T2

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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