

Technical Data Sheet

Pro-fax SD242



Polypropylene, Impact Copolymer

Product Description

Pro-fax SD242 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.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* SD242.

Application	Interior Automotive Applications; TWIM Food Containers
Market	Automotive; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	General Purpose; Nucleated

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)	210000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1450	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4100	psi			ASTM D638
(50 mm/min)			28	MPa	ASTM D638
Tensile Elongation at Yield	5	%	5	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	0.9	ft-lb/in			ASTM D256
(23 °C, Method A)			48	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	235	°F			ASTM D648
(0.45 MPa, Unannealed)			113	°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 3562
- ▶ Ford WSB-M4D638-A
- ▶ GM GMP.PP.096
- ▶ GM GMW16208-T2

