



## Pro-fax SG702

### Polypropylene, Impact Copolymer

#### Product Description

"Pro-fax" SG702 high flow, high impact polypropylene copolymer resin is designed for injection molding applications and is available in pellet form. "Pro-fax" SG702 resin has a UL yellow card RTI of 65°C and a flame rating of UL94HB; these apply to all colors at a minimum thickness of 0.059 inches. For regulatory compliance information see "Pro-fax" SG702 Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS).

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ASTM
<b>Features</b>	Impact Resistance, Low Temp., Stiffness, Good
<b>Typical Customer Applications</b>	Products for Use in Property Modification, Housewares, Interior Trim

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density -Specific Gravity (Method B)	ASTM D 792	0.902	sp gr 23/23°C
Melt flow rate (230°C/2.16kg)	ASTM D 1238	18.0	g/10 min
<b>Mechanical</b>			
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638		3000 psi 20.7 MPa
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790		160000 psi 1100 MPa
Tensile Elongation @ Yld	ASTM D 638	5.0	%
<b>Impact</b>			
Notched izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256		4.40 ft-lb/in 235 J/m
<b>Thermal</b>			
DTUL @66psi - Unannealed	ASTM D 648	90.0	°C

#### Notes

Typical properties; not to be construed as specifications.

#### Additional Properties

Drop Weight Impact Strength, Basell Test Method, -29°C: 45 ft-lbs

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Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector, particularly: (A) in any commercial or developmental application which is intended for contact with human internal body fluids or body tissues, regardless of the length of time involved; (B) in any cardiac prosthetic device application, regardless of the length of time involved, including, without limitation, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assisted devices; (C) as a critical component in any medical device that supports or sustains human life; and (D) specifically by pregnant women or in any applications designed specifically to promote or interfere with human reproduction.

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