

Diamond GPPS GP-525

General Purpose Polystyrene

Diamond Polystyrene



Prospector

Product Description

DIAMOND GP-500N & GP-525 are General Purposes Polystyrene having excellent clarity and gloss. They are available in Blue tint and have good dimensional stability at High temperature.

GP-525 Blue Tinted, Excellent Clarity, Good Flow, Low Volatility (below 1000 ppm)

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Asia Pacific	• Europe
Features	• Good Dimensional Stability • Good Flow • Good Moldability	• Good Strength • Good Surface Finish • High Clarity	• High Gloss
Uses	• Appliance Components • Audio Tapes • Containers	• Cups • General Purpose • Household Goods	• Lighting Fixtures • Toys • Writing Instruments
Appearance	• Clear - Blue Tint		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value	Unit
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Specific Gravity	1.04	g/cm ³
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	7.0	g/10 min

Mechanical	Nominal Value	Unit	Test Method
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Tensile Strength (Yield)	40.7	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	68.6	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
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Notched Izod Impact	15.7	J/m	ASTM D256
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Thermal	Nominal Value	Unit	Test Method
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Deflection Temperature Under Load 0.45 MPa, Unannealed	90.0	°C	ASTM D648
Vicat Softening Temperature	95.0	°C	ASTM D1525

Notes

¹ Typical properties: these are not to be construed as specifications.

Revision History

Document Created: Thursday, October 15, 2009
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