

# Diamond GPPS GP-500N

General Purpose Polystyrene

Diamond Polystyrene

Message:

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-500N Excellent clarity, Natural Tint, Good Flow.

General Information			
Features	Good Dimensional Stability		
	Good Flow		
	High Clarity		
	High Gloss		
Uses	Appliance Components		
	Audio Tapes		
	Containers		
	Cups		
	General Purpose		
	Household Goods		
	Lighting Fixtures		
	Toys		
	Writing Instruments		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	
Specific Gravity	1.04	g/cm <sup>3</sup>	
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	7.0	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
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
Notched Izod Impact	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	95.0	°C	ASTM D1525

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