

Diamond GPPS GP-550

General Purpose Polystyrene

Diamond Polystyrene

Message:

DIAMOND GP-550 & GP-550P are General Purposes Polystyrene having excellent clarity and gloss. They are available in Blue tint and have good dimensional stability at High temperature.
GP-550 Heat resistance, Extreme Low volatility (below 750 ppm).

General Information			
Features	Good Dimensional Stability		
	Good Flow		
	High Clarity		
	High Gloss		
	High Heat Resistance		
Uses	Appliance Components		
	Audio Tapes		
	Cups		
	General Purpose		
	Lighting Fixtures		
	Toys		
	Writing Instruments		
Appearance	Clear - Blue Tint		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	
Specific Gravity	1.04	g/cm ³	
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	5.0	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	43.1	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	73.5	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)	92.0	°C	ASTM D648
Vicat Softening Temperature	98.0	°C	ASTM D1525

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