

# Diamond GPPS GP-550P

## General Purpose Polystyrene

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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-550P Heat resistance, Extreme Low volatility & Extrusion grade.

General Information			
Features	Good Dimensional Stability		
	Good Flow		
	High Clarity		
	High Gloss		
	High Heat Resistance		
Uses	Appliance Components		
	Cups		
	Electrical/Electronic Applications		
	General Purpose		
	Lighting Fixtures		
	Toys		
Appearance	Clear - Blue Tint		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	
Specific Gravity	1.04	g/cm³	
Melt Mass-Flow Rate (MFR) (230°C/1.2 kg)	3.0	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	44.1	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	88.3	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)	95.0	°C	ASTM D648
Vicat Softening Temperature	100	°C	ASTM D1525

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