

I. Stern GPPS-004

General Purpose Polystyrene

I. STERN & CO. INC.

Message:

Polystyrene GPPS-004 - General Purpose Crystal Polystyrene

Features

- High Strength Grade
 - Medium flow, high toughness
 - Excellent Process ability
- Applications
- Injection Molding

General Information			
Features	Crystal		
	General Purpose		
	Good Processability		
	Good Toughness		
	High Strength		
	Medium Flow		
Uses	General Purpose		
Agency Ratings	FDA 21 CFR 177.1640		
UL File Number	E185934		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	4.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	47.1	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	2840	MPa	ASTM D790
Flexural Strength (Yield)	78.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	78.9	°C	ASTM D648
Vicat Softening Temperature	97.2	°C	ASTM D1525

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