

Deltech PS Grade 140

General Purpose Polystyrene

Deltech Polymers Corporation

Message:

Deltech PS Grade 140 is a General Purpose Polystyrene product. It is available in North America. Typical application: Food Contact Applications. Primary characteristic: crystalline.

General Information			
Features	Crystal		
Agency Ratings	FDA 21 CFR 177.1640		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength (Yield)	45.5	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	3310	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.6	°C	ASTM D648
Vicat Softening Temperature	104	°C	ASTM D1525

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