

MTEGRITY™ PS General Purpose GS220WC

General Purpose Polystyrene

M. Holland Company

Message:

MTEGRITY™PS General Purpose GS220WC is a general-purpose polystyrene product. It can be processed by injection molding and is available in North America.

General Information			
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	73		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	44.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	3320	MPa	ISO 178
Flexural Stress (23°C)	89.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.1	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	72.0	°C	ISO 75-2/A
Vicat Softening Temperature	92.0	°C	ISO 306
Additional Information			
Tensile Strain at Break, ISO 527-1, -2: < 3%			

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