

MTEGRITY™ PS General Purpose GS218WC

General Purpose Polystyrene

M. Holland Company

Message:

MTEGRITY™ PS General Purpose GS218WC is a General Purpose Polystyrene product. It can be processed by injection molding and is available in North America. Applications of MTEGRITY™ PS General Purpose GS218WC include bottles and medical/healthcare.

Characteristics include:

- Clarity
- Heat Resistant
- High Stiffness

General Information			
Features	High Clarity		
	High Heat Resistance		
	High Stiffness		
Uses	Bottles		
	Labware		
	Vials		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3170	MPa	ASTM D638
Tensile Strength	51.7	MPa	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.9	°C	ASTM D648
Vicat Softening Temperature	109	°C	ASTM D1525

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