

Network Polymers SMMA MS 150

Styrene Methyl Methacrylate Acrylic Copolymer

Network Polymers, Inc.

Message:

Network Polymers SMMA MS 150 is a Styrene Methyl Methacrylate Acrylic Copolymer product. It is available in North America. Typical application: Food Contact Applications.

General Information			
Features	Terpolymer		
Agency Ratings	FDA 21 CFR 177.1640		
	FDA 21 CFR 177.1830		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (200°C/5.0 kg)	4.1	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength ²	34.4	MPa	ASTM D638
Tensile Elongation ³ (Break)	31	%	ASTM D638
Flexural Modulus ⁴	1830	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	27	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.8	°C	ASTM D648
Vicat Softening Temperature	97.2	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Transmittance	89.0	%	ASTM D1003
NOTE			
1.	Procedure A		
2.	51 mm/min		
3.	51 mm/min		
4.	Method I (3 point load), 1.3 mm/min		

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