

# Generic Acrylic (SMMA)

Styrene Methyl Methacrylate Acrylic Copolymer

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Acrylic (SMMA)  
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04 to 1.09	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	0.40 to 2.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.40 to 0.41	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2850 to 3450	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	5.00 to 64.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.1 to 21	%	ASTM D638
Flexural Modulus (23°C)	1810 to 3380	MPa	ASTM D790
Flexural Strength (23°C)	98.9 to 101	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	16 to 34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	67.2 to 92.2	°C	ASTM D648
Vicat Softening Temperature	97.1 to 106	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Transmittance	89.0 to 92.8	%	ASTM D1003
Haze	0.30 to 1.0	%	ASTM D1003

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