

PrimoSan X663

Styrene Acrylonitrile
KMI Group, Inc.

Message:

Injection molding grade. Highest heat deflection temperature among the KMI product family. Suitable for applications requiring short-term, high temperature exposure.

General Information			
Features	Heat resistance, high		
Uses	Displays		
	Lighting Applications		
	Cup		
	Electrical appliances		
	Cosmetics		
	Toys		
	Stationery		
	Drug		
	Medical/nursing supplies		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	< 0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	83		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2/1
Tensile Stress (Break)	67.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.2	%	ISO 527-2/5
Flexural Stress ¹	101	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	11	kJ/m ²	ISO 179/2U
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	108	°C	ISO 306/A50
--	105	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	HB		UL 94
NOTE			

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