

ICORENE® N6403

General Purpose Polystyrene

A. Schulman Europe

Message:

ICORENE® N6403 is a general purpose polystyrene grade. Its well balanced heat resistance and flow characteristics make it preferentially suitable for injection.

For extrusion, it can be blended with a HIPS grade or clear SBS for stiffer thermo formable sheets.

General Information			
Features	Highlight		
	Crystal		
	Heat resistance, high		
Uses	Masterbatch		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	11	g/10 min	ISO 1133
Molding Shrinkage	0.40 - 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	42.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.0	%	ISO 527-2/50
Flexural Stress ¹	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	87.0	°C	ISO 306/B
NOTE			
1.	2.0 mm/min		

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WECHAT