

# ICORENE® N6504

High Impact Polystyrene

ICO Polymers EMEA, A Division of A. Schulman

## Message:

ICORENE® N6504 is a high impact polystyrene grade with a good balance of toughness, high flow, heat resistance and gloss.

This grade is a 100% prime, virgin polymer.

ICORENE® N6504 in powder form is suitable for use as a base for masterbatch or compound production.

General Information			
Features	Good Toughness		
	High Flow		
	High Gloss		
	High Heat Resistance		
Uses	Compounding		
	Masterbatch		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	14	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain (Break)	25	%	ISO 527-2/50
Flexural Stress <sup>1</sup>	41.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	16	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature <sup>2</sup>	91.0	°C	ISO 306/B50
NOTE			
1.	2.0 mm/min		
2.	Oil		

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