

ICORENE® N4503

Polypropylene Random Copolymer
ICO Polymers EMEA, A Division of A. Schulman

Message:
ICORENE® N4503 is a nucleated random copolymer which exhibits a medium fluidity, a good transparency and gloss.

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable		
	High Clarity		
	High Gloss		
	Medium Flow		
	Nucleated		
	Random Copolymer		
Uses	Masterbatch		
Agency Ratings	EU Food Contact, Unspecified Rating		
	FDA Food Contact, Unspecified Rating		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	12	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature	73.0	°C	ASTM D1525 ¹
NOTE			
1.	Rate B (120°C/h), Loading 2 (50 N)		

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