

# ICORENE® N4450

Polypropylene Homopolymer  
ICO Polymers EMEA, A Division of A. Schulman

**Message:**

ICORENE® N4450 is a polypropylene homopolymer with a high fluidity, a good transparency and gloss properties. It contains a combined a processing and an antistatic additive package.

It is suitable for injection moulding and its main applications are thin walled packaging items or housewares.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Flow		
	High Gloss		
	Homopolymer		
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 <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	47	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	41.0	MPa	
Break	22.0	MPa	
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	1900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	108	°C	ISO 75-2/B
Vicat Softening Temperature	90.0	°C	ASTM D1525 <sup>1</sup>
NOTE			
1.	Rate B (120°C/h), Loading 2 (50 N)		

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