

ICORENE® N4420

Polypropylene Homopolymer

ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® N4420 is a polypropylene homopolymer with a high fluidity.

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

ICORENE® N4420 is supplied in powder form and used in masterbatch formulations

General Information			
Features	Food Contact Acceptable		
	High Flow		
	Homopolymer		
Uses	Masterbatch		
Agency Ratings	EU Food Contact, Unspecified Rating		
	FDA Food Contact, Unspecified Rating		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	69		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	79.0	°C	ISO 75-2/B

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