

ICORENE® N9301

Polybutylene Terephthalate

ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® N9301 is an unfilled, easy flow polybutylene terephthalate (PBT) offering good heat resistance. It conforms to FDA requirements of 21 CFR 177.1660.

General Information			
Features	Food Contact Acceptable		
	High Flow		
	High Heat Resistance		
	Semi Crystalline		
Uses	Food Packaging		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	164	°C	ASTM D648
Melting Temperature	223	°C	DSC

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