

Technical Data Sheet

Icorene N9301-2000 NAT 0000

Polybutylene Terephthalate

Product Description

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

Attribute	Food Contact Acceptable; High Flow; High Heat Resistance; Semi Crystalline
Forms	Powder
Application	Food Packaging

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (250 °C/2.16 kg)	55	cm ³ /10 min	ISO 1133
Density	1.3	g/cm ³	ISO 1183
Mechanical			
Tensile Strength at Yield	60	MPa	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Tensile Elongation at Break	35	%	ASTM D638
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	6.0	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	164	°C	ASTM D648
Melting Temperature	223	°C	DSC