

Technical Data Sheet

# Icorene N9201

Polyethylene Terephthalate  
LyondellBasell Industries  
Custom Powders

## Product Description

ICORENE® N9201 is a clear, amorphous copolyester material (PET).

This grade is useful in a variety of processing techniques including film and sheet extrusion because of its clarity, toughness and good melt strength at processing temperatures.

## General

Features	<ul style="list-style-type: none"> <li>Amorphous</li> <li>Good Melt Strength</li> </ul>	<ul style="list-style-type: none"> <li>Good Toughness</li> <li>High Clarity</li> </ul>	<ul style="list-style-type: none"> <li>High Flow</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Compounding</li> <li>Film</li> </ul>	<ul style="list-style-type: none"> <li>Masterbatch</li> <li>Sheet</li> </ul>	
Agency Ratings	<ul style="list-style-type: none"> <li>EU Food Contact</li> </ul>	<ul style="list-style-type: none"> <li>FDA Food Contact</li> </ul>	
Appearance	<ul style="list-style-type: none"> <li>Clear/Transparent</li> </ul>		
Forms	<ul style="list-style-type: none"> <li>Powder</li> </ul>		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.27 g/cm <sup>3</sup>	1.27 g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	7250 psi	50.0 MPa	ASTM D638
Tensile Elongation (Break)	130 %	130 %	ASTM D638
Flexural Modulus	305000 psi	2100 MPa	ASTM D790
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	158 °F	70.0 °C	ASTM D648
Glass Transition Temperature	176 °F	80.0 °C	Internal Method
Vicat Softening Temperature	185 °F	85.0 °C	ISO 306
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Light Transmittance	89.0 %	89.0 %	ASTM D1003

## Notes

These are typical property values not to be construed as specification limits.