

Technical Data Sheet

Icorene N9204

Polyethylene Terephthalate
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N9204 is an ultra high molecular-weight polyethylene terephthalate copolymer (PET).

This grade is used in hollow bodies, semi-finished products, profiles, pipes and other applications.

General

Features	<ul style="list-style-type: none"> • High Clarity • High Purity 	<ul style="list-style-type: none"> • High Strength • Highly Crystalline
Uses	<ul style="list-style-type: none"> • Piping 	<ul style="list-style-type: none"> • Profiles
Agency Ratings	<ul style="list-style-type: none"> • EU Food Contact 	<ul style="list-style-type: none"> • FDA Food Contact
Appearance	<ul style="list-style-type: none"> • Clear/Transparent 	
Forms	<ul style="list-style-type: none"> • Powder 	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.40 g/cm ³	1.40 g/cm ³	ASTM D1505
Viscosity Number ¹	80.0 cm ³ /g	80.0 cm ³ /g	Internal Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Elongation (Break)	50 %	50 %	ASTM D638
Flexural Modulus	334000 psi	2300 MPa	ISO 178
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	293 °F	145 °C	ISO 306/B
Melting Temperature	478 °F	248 °C	DSC
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Light Transmittance	85.0 %	85.0 %	ASTM D1003

Notes

¹ Intrinsic viscosity 0.8dL/g

Notes

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