

ICORENE® N9204

Polyethylene Terephthalate
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

Material Status	• Commercial: Active	
Availability	• Europe	
Features	• High Clarity • High Purity	• High Strength • Highly Crystalline
Uses	• Piping	• Profiles
Agency Ratings	• EU Food Contact, Unspecified Rating	• FDA Food Contact, Unspecified Rating
Appearance	• Clear/Transparent	
Forms	• 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
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.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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