

## 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"> <li>• High Clarity</li> <li>• High Purity</li> </ul> | <ul style="list-style-type: none"> <li>• High Strength</li> <li>• Highly Crystalline</li> </ul> |
| Uses           | <ul style="list-style-type: none"> <li>• Piping</li> </ul>                              | <ul style="list-style-type: none"> <li>• Profiles</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                       | 1.40 g/cm <sup>3</sup>  | 1.40 g/cm <sup>3</sup>  | ASTM D1505      |
| Viscosity Number <sup>1</sup> | 80.0 cm <sup>3</sup> /g | 80.0 cm <sup>3</sup> /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

<sup>1</sup> Intrinsic viscosity 0.8dL/g

### Notes

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

