

Technical Data Sheet

Icorene N9602

Polyamide 6
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N9602 is a polyamide 6 grade with an easy release and a rapid solidification.

This grade is used for masterbatch applications.

General

Features	• Good Flow	• Good Mold Release
Uses	• General Purpose	• Masterbatch
Agency Ratings	• EU Food Contact	• FDA Food Contact
Forms	• Powder	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm ³	1.14 g/cm ³	ISO 1183
Viscosity Number 96% H2so4 (sulphuric Acid)	2.70 cm ³ /g	2.70 cm ³ /g	ISO 307
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	11600 psi	80.0 MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	20 %	20 %	
Break	75 %	75 %	
Flexural Modulus	392000 psi	2700 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	9.5 ft·lb/in ²	20 kJ/m ²	ISO 179
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	347 °F	175 °C	ISO 75-2/B
Vicat Softening Temperature	415 °F	213 °C	ISO 306
Melting Temperature (DSC)	432 °F	222 °C	ISO 3146

Notes

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