

Polyfort NPP00RS03WH-WH LUMENEXWHI

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyfort NPP00RS03WH-WH LUMENEXWHI is a Polypropylene Homopolymer material and is typically used in Injection Molding applications. Features include: Heat Stabilized, and Homopolymer.

General

Additive	• Heat Stabilizer
Features	• Heat Stabilized • Homopolymer
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.990		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	5290	psi	ASTM D638
Tensile Elongation (Break, 73°F)	10	%	ASTM D638
Flexural Modulus - Tangent (73°F)	257000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	7500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.69	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	9.9	ft-lb/in	ASTM D4812
Gardner Impact	7.00	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	235	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	135	°F	ASTM D648
CLTE - Flow	3.6E-5	in/in/°F	ASTM D696

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F