

Technical Data Sheet

Polyfort NPP00RS03WH-WH LUMENEXWHI



Polypropylene, Homopolymer

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.

Processing Method	Injection Molding
Attribute	Heat Stabilized; Homopolymer
Forms	Pellets
Additive	Heat Stabilizer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	13	g/10 min	ASTM D1238
Density - Specific Gravity	0.988	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	36.5	MPa	ASTM D638
Flexural Strength at Yield, (23 °C)	51.7	MPa	ASTM D790
Flexural Modulus, (23 °C, Tangent)	1770	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	10	%	ASTM D638
Impact			
Gardner Impact	0.791	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	530	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	37	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	57.2	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	113	°C	ASTM D648
Coefficient of Linear Thermal Expansion (CLTE), Flow	6.5E-05	cm/cm/°C	ASTM D696

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C