

Polyfort PPH K2303 NAT

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

PP homopolymer

General

Features	• Homopolymer
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	17	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	290000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	5510	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	7.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.4	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	40	ft·lb/in ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	138	°F	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms·m	IEC 62631-3-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate			
0.0787 in	< 3.9	in/min	ISO 3795
0.0787 in	< 3.9	in/min	FMVSS 302
Flammability Classification			IEC 60695-11-10, -20
0.06 in		HB	
0.12 in		HB	

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