

Hostacom PPN 4160

Polypropylene Homopolymer

LyondellBasell Industries

Message:

"Hostacom" PPN 4160 is a unfilled polypropylene Homopolymer. The product is designed for injection molding of dishwashing machine parts, exhibits a high extraction resistance and is available in natural color. UL listed in natural and grey color. It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
UL YellowCard	E31765-101904453		
Features	Detergent Resistant		
	Good Thermal Aging Resistance		
	Homopolymer		
	Low Extractables		
	Low Flow		
Uses	Appliance Components		
	White Goods & Small Appliances		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.904	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	2.5	g/10 min	
230°C/5.0 kg	10	g/10 min	
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	70.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1500	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	34.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	9.0	%	ISO 527-2/50
Flexural Modulus - Secant (23°C)	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	1.5	kJ/m ²	
23°C	3.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU

-30°C	15	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.00 mm, NC	HB		
3.00 mm, NC	HB		

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