

Hostacom PPR 4170L

Polypropylene Homopolymer
LyondellBasell Industries

Message:

"Hostacom" PPR 4170L is a unfilled polypropylene Homopolymer. UL listing in all colors, UL94 flammability: HB Rating, RTI: 115°C. The product is designed for injection molding of iron parts. It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
UL YellowCard	E31765-230676		
Features	Detergent Resistant		
	Good Thermal Aging Resistance		
Uses	Appliance Components		
Agency Ratings	UL 94		
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	3.0	g/10 min	
230°C/5.0 kg	12	g/10 min	
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	1500	MPa	ISO 527-2
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	10	%	
Break	> 50	%	
Flexural Modulus - Secant	1450	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	4.0	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

Ball Pressure Test ¹ (135°C)	Pass		IEC 60695-10-2
RTI Elec			UL 746
1.00 mm	115	°C	
1.50 mm	115	°C	
3.00 mm	115	°C	
RTI Imp			UL 746
1.00 mm	115	°C	
1.50 mm	115	°C	
3.00 mm	115	°C	
RTI Str			UL 746
1.00 mm	115	°C	
1.50 mm	115	°C	
3.00 mm	115	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.00 mm, ALL	HB		
1.50 mm, ALL	HB		
3.00 mm, ALL	HB		
Glow Wire Ignition Temperature			IEC 60695-2-13
1.00 mm	700	°C	
4.00 mm	700	°C	
NOTE			
1.	0.07874016		

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