

Hostacom PPN 1034 12

Polypropylene Copolymer
LyondellBasell Industries

Message:

"Hostacom" PPN 1034 12 is a PP copolymer with medium flow, good cold temperature impact resistance. Used typically for radiator mounts and under-body shields. It is not intended for medical, pharmaceutical or drinking water applications.

General Information			
Features	Copolymer		
	Fatigue Resistant		
	Low Temperature Impact Resistance		
	Medium Flow		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Structural Parts		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	12	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	15.5	cm ³ /10min	ISO 1133
Molding Shrinkage	1.5 to 1.7	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	50.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	1050	MPa	ISO 527-2
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.0	kJ/m ²	
0°C	8.0	kJ/m ²	
23°C	25	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	140	kJ/m ²	
0°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B

1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	68.0	°C	ISO 306/B50

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