

Hostacom ERC 475L NAT

Polypropylene Copolymer

LyondellBasell Industries

Message:

Hostacom ERC 475L nat is a 28% mineral filled PP copolymer with medium melt flow rate.

The product exhibits a very low shrinkage close to ABS and an excellent impact strength. The material is not intended for medical, pharmaceutical or drinking water applications.

General Information			
Filler / Reinforcement	Mineral filler, 28% filler by weight		
Features	Impact resistance, good		
	Medium liquidity		
	Low shrinkage		
Uses	Large household appliances and small household appliances		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	
Density (23°C)	1.11	g/cm ³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	13.0	cm ³ /10min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1900	MPa	
Tensile Strength (Yield, 23°C)	21.0	MPa	
Tensile Elongation (Yield, 23°C)	6.0	%	
Flexural Modulus (23°C)	1900	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			
0°C	9.0	kJ/m ²	
23°C	30	kJ/m ²	
Charpy Unnotched Impact Strength			
0°C	80	kJ/m ²	ISO 179
23°C	No Break		
Thermal	Nominal Value	Unit	
Deflection Temperature Under Load			
0.45 MPa, not annealed	90.0	°C	
1.8 MPa, not annealed	50.0	°C	
Vicat Softening Temperature	50.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	HB		UL 94

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