Moplen EP648V

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP648V is a nucleated, antistatic ultra high fluidity heterophasic copolymer designed for thin-walled injection moulding applications.
Moplen EP648V exhibits high stiffness, good dimensional stability and outstanding antistatic properties.
The main applications of Moplen EP648V are very thin-walled articles as margarine tubs, packaging of dairy products as well as items with a long flow path such as laundry bins and storage systems.

General Information			
Additive	Antistatic Nucleating Agent		
Features	Antistatic Good Dimensional Stability Good Impact Resistance Good Stiffness High Flow Impact Copolymer Nucleated		
Uses	Containers Food Packaging Household Goods Thin-walled Packaging		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	100	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	135	cm³/10min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness (H 358/30)	83.0	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1750	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	10	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	1.5	kJ/m²	
0°C	2.0	kJ/m²	
23°C	2.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	35	kJ/m²	
0°C	50	kJ/m²	
23°C	70	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°C	ISO 75-2/B
Ductile / Brittle Transition Temperature	-20.0	°C	ISO 6603-2
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50
Optical	**Nominal Value**		**Test Method**
Gloss (60°)	75		ISO 2813

Recommended distributors for this material

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