Moplen EP549U

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP549U is a nucleated, antistatic formulated, very high flow heterophasic copolymer designed for thin-walled injection moulding applications. Moplen EP549U features an outstanding balance of mechanical properties combined with a very high fluidity.
The main applications of Moplen EP549U are ice cream containers, yellow fat lids and containers, packaging for dairy products, housewares, toy boxes, flower pots.

General Information	
Additive	Antistatic Nucleating Agent
Features	Antistatic High Flow Impact Copolymer Nucleated
Uses	Containers Food Packaging Household Goods Lids Packaging Sporting Goods Thin-walled Packaging Thin-walled Parts Toys
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)	70	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1260	MPa	ISO 527-2
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	10	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			

-20°C	5.0	kJ/m²	ISO 179/1e
0°C	6.0	kJ/m²	ISO 179/1eA
23°C	9.0	kJ/m²	ISO 179/1eA

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	98.0	°C	ISO 75-2/B
Ductile / Brittle Transition Temperature	-45.0	°C	ISO 6603-2
Vicat Softening Temperature			
--	147	°C	ISO 306/A50
--	67.0	°C	ISO 306/B50

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT