Moplen EP448V

Polypropylene Impact Copolymer LyondellBasell Industries

Message:

Moplen EP448V is a nucleated heterophasic copolymer with antistatic agent used in injection moulding applications.

It exhibits an outstanding balance of mechanical properties combined with a high fluidity.

Customers use Moplen EP448V in housewares and in thin-walled containers.

Moplen EP448V is suitable for food contact as described in the related declaration of compliance (PSB) and not intended for use in medical and pharmaceutical applications.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Factoring	Americanskin		
Features	Antistatic		
	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	High Flow		
	High Rigidity		
	Nucleated		
Uses	Containers		
	Household Goods		
	Sporting Goods		
	Thin-walled Containers		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	100	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	10	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m²	

0°C	2.5	kJ/m²	
23°C	4.0	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MF	Pa,		
Unannealed)	100	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/A50

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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

