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
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/cm^3	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/m^2	

0°C	2.5	kJ/m²	
23°C	4.0	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/A50

Recommended distributors for this material

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