Moplen EP448V

Polypropylene, Impact Copolymer

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Processing Methods	Injection Molding
Features	Antistatic, High Flow , Nucleated, Good Processability, High Rigidity
Typical Customer Applications	Housewares, Opaque Containers, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.905	g/cm³
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	100	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1500	MPa
Tensile Stress at Yield	ISO 527-1, -2	27	MPa
Tensile Strain at Break	ISO 527-1, -2	10	%
Tensile Strain at Yield	ISO 527-1, -2	5	%
Impact			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		4.0	kJ/m²
(0 °C, Type 1, Edgewise, Notch A)		2.5	kJ/m²
(-20 °C, Type 1, Edgewise, Notch A)		2.0	kJ/m²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	100	°C
Vicat softening temperature A/50	ISO 306	150	°C

Notes

Typical properties; not to be construed as specifications.