



## 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

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

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.905	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	100	g/10 min
<b>Mechanical</b>			
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	%
<b>Impact</b>			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		4.0	kJ/m <sup>2</sup>
(0 °C, Type 1, Edgewise, Notch A)		2.5	kJ/m <sup>2</sup>
(-20 °C, Type 1, Edgewise, Notch A)		2.0	kJ/m <sup>2</sup>
<b>Thermal</b>			
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.