



## Moplen EP548V

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP548V is a nucleated heterophasic copolymer with antistatic additivation used for injection moulding applications.

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

Moplen EP548V is extensively used in housewares and in thin-walled containers for food packaging (e.g. margarine tubs, yoghurt pots, etc.).

#### Product Characteristics

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

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.9	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	1650	MPa
Tensile Stress at Yield	ISO 527-1, -2	28	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)		3.5	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>
Ductile/Brittle transition temperature	ISO 6603-2	-45	°C
<b>Hardness</b>			
Ball indentation hardness (H 358/30)	ISO 2039-1	68	MPa
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90	°C
Vicat softening temperature A/50	ISO 306	152	°C
Vicat softening temperature B/50	ISO 306	90	°C

#### Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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