

## Product Data

### Moplen EP548S

Moplen EP548S is a nucleated heterophasic copolymer, suitable for injection moulding applications, and contains an anti-static agent.

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

Moplen EP548S is extensively used in housewares and in thin-walled containers for food packaging (e.g. margarine tubs, yoghurt pots, etc.).

Moplen EP548S is suitable for food contact.

Typical Resin Properties		Method	Unit	Value <sup>(*)</sup>
Melt Flow Rate (230/2.16)		ISO 1133	g/10 min	44
Melt Volume Rate (230/2.16)		ISO 1133	cm <sup>3</sup> /10 min	59
Tensile Modulus		ISO 527-2	MPa	1550
Tensile Stress at Yield		ISO 527-2	MPa	28
Tensile Elongation at Yield		ISO 527-2	%	5
Tensile Elongation at Break		ISO 527-2	%	30
Charpy Impact Strength, Unnotched	23 °C	ISO 179/1eU	kJ/m <sup>2</sup>	110
	0 °C	ISO 179/1eU	kJ/m <sup>2</sup>	100
	-20 °C	ISO 179/1eU	kJ/m <sup>2</sup>	85
Charpy Impact Strength, Notched	23 °C	ISO 179/1eA	kJ/m <sup>2</sup>	5
	0 °C	ISO 179/1eA	kJ/m <sup>2</sup>	3.5
	-20 °C	ISO 179/1eA	kJ/m <sup>2</sup>	3
Ball Indentation Hardness (H 358/30)		ISO 2039-1	MPa	68
Heat Deflection Temperature, HDT/B		ISO 75-2	°C	95
Vicat Softening Temperature, VST/A50		ISO 306	°C	151
Vicat Softening Temperature, VST/B50		ISO 306	°C	80
Density (23 °C)		ISO 1183	g/cm <sup>3</sup>	0.90
Gloss at 60 °		ISO 67530	%	55
Ductile/Brittle Transition Temperature		ISO 6603-2	°C	-53

(\*) The property values shown are based on a limited number of tests and, therefore, should not be construed as product specifications.

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