

Product Data

Moplen HP555E

Moplen HP555E is a homopolymer, suitable for extrusion and blow moulding applications. It is formulated with an enhanced process stabilisation package.

Moplen HP555E is designed for production of straps and technical injection moulded articles.

Moplen HP555E has a wide range of approval for contact with food but for specific applications, reference should be made to Basell polyolefins.

Typical Resin Properties		Method	Unit	Value (*)
Melt Flow Rate (230/2.16)		ISO 1133	g/10 min	0.8
Melt Volume Rate (230/2.16)		ISO 1133	cm ³ /10 min	1.1
Tensile Modulus		ISO 527-2	MPa	1400
Tensile Stress at Yield		ISO 527-2	MPa	34
Tensile Elongation at Yield		ISO 527-2	%	11
Tensile Elongation at Break		ISO 527-2	%	>50
Charpy Impact Strength, Unnotched	23 °C	ISO 179/1eU	kJ/m ²	NB
	0 °C	ISO 179/1eU	kJ/m ²	87
Charpy Impact Strength, Notched	23 °C	ISO 179/1eA	kJ/m ²	4
Ball Indentation Hardness (H 358/30)		ISO 2039-1	MPa	66
Heat Deflection Temperature, HDT/B		ISO 75-2	°C	85
Vicat Softening Temperature, VST/A50		ISO 306	°C	153
Vicat Softening Temperature, VST/B50		ISO 306	°C	85
Gloss at 60°		ISO 67530	%	91

(*) 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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