

Moplen HP554M

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP554M is suitable for extrusion applications. It is formulated with an anti-gasfading stabilisation package. Moplen HP554M is designed for the production of fine denier staple fibres. Typical application is thermal-bonded nonwovens. For regulatory information please refer to Moplen HP554M Product Stewardship Bulletin (PSB).

General Information	
Additive	Anti-gas fading
Features	Gas-fading Resistant
	Homopolymer
Uses	Nonwovens
	Staple Fibers
Processing Method	Extrusion
	Fiber (Spinning) Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	34.0	MPa	
Break	22.0	MPa	
Tensile Strain			ISO 527-2
Yield	11	%	
Break	> 500	%	
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	190	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	153	°C	ISO 306/A50
--	93.0	°C	ISO 306/B50

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