

Moplen HP552K

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP552K is used in extrusion applications. It is formulated with an anti-gasfading stabilisation package. Moplen HP552K is used in the production of high tenacity staple fibres. Typical application is nonwovens. For regulatory information please refer to Moplen HP552K 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
	Filament Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	34.0	MPa	
Break	23.0	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	8.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	220	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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