

Moplen HP561R

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP561R is used in extrusion applications. It has a very narrow molecular weight distribution and it is formulated with an anti-gasfading stabilisation package. Moplen HP561R is used in the production of continuous filaments. Typical applications are high-tenacity yarns (HTY) and spunbond nonwovens. For regulatory information please refer to Moplen HP561R Product Stewardship Bulletin (PSB).

General Information	
Additive	Anti-gas fading
Features	Homopolymer
	Narrow Molecular Weight Distribution
Uses	Filaments
	Spunbond Nonwovens
	Yarn
Processing Method	Extrusion
	Fiber (Spinning) Extrusion
	Filament Extrusion
	Spunbond Nonwovens

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	33.0	MPa	
Break	20.0	MPa	
Tensile Strain			ISO 527-2
Yield	11	%	
Break	> 500	%	
Flexural Modulus	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	140	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	86.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	153	°C	ISO 306/A50

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