

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/m²	ISO 179
Charpy Unnotched Impact Strength	140	kJ/m²	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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