

Moplen HP462R

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP462R is used in extrusion applications. It has a very narrow molecular weight distribution and it is formulated with an anti-gasfading stabilisation package. Moplen HP462R 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 HP462R Product Stewardship Bulletin (PSB).

General Information			
Additive	Anti-gas fading		
Features	Gas-fading Resistant		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Filaments		
	Spunbond Nonwovens		
	Yarn		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
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
--	93.0	°C	ISO 306/B50

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