

# Metocene HM560R

Polypropylene Homopolymer  
LyondellBasell Industries

Message:

Metocene HM560R is a medium melt flow rate resin with a very narrow molecular weight distribution. It is ideally suited for nonwoven applications including spunbond as well as continuous filament yarn and high tenacity fibers. This material is available as an extruded pellet. This product contains no peroxide or peroxide decomposition by-products. It is a low gas fading product. The narrow molecular weight distribution and high degree of resin consistency promote finer fibers, higher tenacity fibers as well as enhanced fiber filament thread line continuity. This is a low smoke, clean running resin with low gas fading characteristics.

General Information			
Features	Gas-fading Resistant		
	Homopolymer		
	Low Smoke Emission		
	Medium Flow		
	Narrow Molecular Weight Distribution		
Uses	Spunbond Nonwovens		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
	Filament Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.903	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	34.0	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1450	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, 23°C	9.0	%	
Break, 23°C	> 50	%	
Flexural Modulus (23°C)	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	93.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	136	°C	ISO 306/A50

--	82.0	°C	ISO 306/B50
Melting Temperature (DSC)	145	°C	ISO 3146

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Recommended distributors for this material


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