

# Moplen HP561R

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Polypropylene Homopolymer Resin for Spunbond Fiber

Features:

High melt flow with very narrow MWD resin for high speed spin continuity of low denier fiber

Very uniform melt flow rate and low gel

Excellent processability and wide processing operating window

Spinnability improved with enchanted fabric properties

Very good gas fading resistance

Applications:

Spunbonded nonwoven fabric using for hygiene products, medical, agriculture, geotextile, etc.

General Information			
Additive	Anti-smoke fade		
Features	Low speed solidification crystal point		
	Homopolymer		
	Resistance to gas fading		
	Workability, good		
	High liquidity		
	Narrow molecular weight distribution		
Uses	Spunbond nonwoven fabric		
	Fiber		
Processing Method	Fiber (spinning) extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	24	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648

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