Braskem PP H 125

Polypropylene Homopolymer

Braskem

Message:

Description:
H 125 is a high melt flow rate homopolymer designed for nonwoven by spunbonded processing. This resin features an excellent processing, allowing increased line speed or air pressure, besides gains on mechanical properties. The narrow molecular weight distribution, special stability and tight gel appearance control, provide its unique performance.
Applications:
High-performance spunbond nonwovens for hygiene disposables and hospital products; Nonwovens for furniture and decoration; Low-title and/or high-speed spinning multifilaments.

General Information			
Features	Good Processability High Flow Homopolymer Narrow Molecular Weight Distribution		
Uses	Spunbond Nonwovens		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.905	g/cm^3	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	38	g/10 min	ASTM D1238, ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			
R-Scale, Injection Molded	103		ASTM D785
R-Scale	103		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, Injection Molded)	33.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	13	%	ASTM D638, ISO 527-2
Flexural Modulus - 1% Secant			
Injection Molded	1300	MPa	ASTM D790
Injection Molded	1400	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C, Injection Molded	25	J/m	ASTM D256
23°C, Injection Molded	2.7	kJ/m^2	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			

0.45 MPa, Unannealed, Injection Molded	95.0	°C	ASTM D648
0.45 MPa, Unannealed	95.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	55.0	°C	ASTM D648
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	154	°C	ISO 306/A, ASTM D1525 [1]

NOTE	
1.	Loading 1 (10 N)

Recommended distributors for this material

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