Braskem PP H 216

Polypropylene Homopolymer

Braskem

Message:

Description:
H 216 is a high melt flow rate homopolymer with narrow molecular weight distribution, designed for high thoughness fibers process. H 216 exhibits excellent processability with good melt stability and toughness/impact balance.
Applications:
Staple fibers and continuous filaments with high toughness and low denier; Fibers for reinforcement of asbestos-free concrete and roof tiles.

General Information			
Features	Good Impact Resistance Good Processability Good Toughness High Flow High Melt Stability Homopolymer Narrow Molecular Weight Distribution		
Uses	Fibers Filaments Staple Fibers		
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/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	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)	36.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	9.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1450	MPa	ASTM D790
Injection Molded	1500	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	1.9	kJ/m^2	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	103	°C	ASTM D648
0.45 MPa, Unannealed	103	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	59.0	°C	ASTM D648
1.8 MPa, Unannealed	59.0	°C	ISO 75-2/A
Vicat Softening Temperature	151	°C	ISO 306/A, ASTM D1525 [1]

NOTE	
1.	Loading 1 (10 N)

Recommended distributors for this material

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