Braskem

Datasheet
Review 4 (Dec / 17)

Polypropylene H 216

Description:

Homopolymer

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:

High tenacity fibers for concrete reinforcement , High tenacity fibers for asbestos-free tiles, Staple fibers and high tenacity continuous filaments

Processes:

Fiber Extrusion

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	18

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm³	0.905
Flexural Modulus - 1% Secant	D 790	MPa	1400
Tensile Strength at Yield	D 638	MPa	36
Tensile Elongation at Yield	D 638	%	9
Rockwell Hardness (R Scale)	D 785	-	103
Notched Izod Impact Strength at 23°C	D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa	D 648	°C	103
Deflection Temperature under Load at 1.820 MPa	D 648	°C	59
Vicat Softening Temperature at 10 N	D 1525	°C	151

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Final Remarks

1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
3. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
4. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS.
5. For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.