

Braskem H 214 HOMO Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

Material Notes:

H 214 is a high melt flow rate homopolymer with narrow molecular weight distribution. It is specially designed for fiber extrusion and nonwoven applications. This product presents excellent processability and productivity with good toughness/strain balance. Its applications include continuous filaments for high-tenacity yarns and spunbond nonwovens.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-214-HOMO-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM-D792
Melt Flow	26 g/10 min @Load 2.16 kg, Temperature 230 °C	26 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	101	101	ASTM-D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM-D638
Elongation at Yield	10 %	10 %	ASTM-D638
Flexural Modulus, 1% Secant	1300 MPa	189000 psi	ASTM-D790
Izod Impact, Notched	0.230 J/cm	0.431 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	58.0 °C	136 °F	ASTM-D648
Vicat Softening Point	155 °C @Load 1.02 kg	311 °F @Load 2.25 lb	ASTM-D1525

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