

Braskem PP H 214

Polypropylene Homopolymer

Braskem

Message:

Description:
H 214 is a high melt flow rate homopolymer, with narrow molecular weight distribution, specially designed for fiber extrusion and nonwoven. This products presents excellent processability and produtivity, with good toughness/strain balance.

Applications:
Continuous filaments for high-tenacity yarns and spunbond nonwovens.

General Information			
Features	Good Processability		
	High Flow		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Filaments		
	Spunbond Nonwovens		
	Yarn		
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)	26	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	101		ASTM D785
R-Scale	101		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	35.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638, ISO 527-2
Flexural Modulus - 1% Secant			
Injection Molded	1300	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	2.7	kJ/m ²	ISO 180

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	102	°C	ASTM D648
0.45 MPa, Unannealed	102	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	58.0	°C	ASTM D648
1.8 MPa, Unannealed	58.0	°C	ISO 75-2/A
Vicat Softening Temperature	155	°C	ISO 306/A, ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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