

Braskem PP H 611

Polypropylene Homopolymer

Braskem

Message:

Description:
H 611 is a low melt flow rate homopolymer, specially designed for exposure of solar light applications. This product exhibits good processability and high melt resistance.

Applications:
Big bags; Building shade fabrics; Curtains and covers to aviary and agriculture; Geotextiles.

General Information			
Features	Good Melt Strength		
	Good Processability		
	Homopolymer		
	Low Flow		
Uses	Agricultural Applications		
	Bags		
	Fabrics		
	Textile Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	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)	2.1	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	99		ASTM D785
R-Scale	99		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)	14	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1400	MPa	ASTM D790
Injection Molded	1450	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C, Injection Molded	40	J/m	ASTM D256

23°C, Injection Molded	3.4	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	92.0	°C	ASTM D648
0.45 MPa, Unannealed	92.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	53.0	°C	ASTM D648
1.8 MPa, Unannealed	53.0	°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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