

Braskem PP HP 550R

Polypropylene Homopolymer

Braskem

Message:

HP 550R is a high fluidity homopolymer.

Applications:

Injection Molding of appliances bodies, lids, housewares. Extrusion of Fibers for rugs, carpets.

Processing:

Injection Molding

Fiber Extrusion

General Information			
Features	High Flow		
	Homopolymer		
Uses	Appliances		
	Carpet Backing		
	Household Goods		
	Lids		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Fiber (Spinning) Extrusion		
	Injection Molding		
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)	24	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	104		ASTM D785
R-Scale	98		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, Injection Molded	36.0	MPa	ASTM D638
Yield, Injection Molded	34.0	MPa	ISO 527-2
Tensile Elongation (Yield, Injection Molded)	9.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1400	MPa	ASTM D790
Injection Molded	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			
23°C, Injection Molded	20	J/m	ASTM D256
23°C, Injection Molded	2.2	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	88.0	°C	ISO 75-2/B

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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