

Braskem PP RP340U

Polypropylene Random Copolymer

Braskem

Message:

RP 340U is a very high fluidity random copolymer, suitable for injection molding of large parts with excellent processability and transparency, high gloss, good stiffness/impact balance.

Applications:
Injection Molding of parts with high transparency.

Processing:
Injection Molding

General Information			
Features	High Flow		
	High Gloss		
	Random Copolymer		
Uses	Transparent or Translucent Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	75	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	85		ASTM D785
R-Scale	86		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	31.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation			
Yield, Injection Molded	13	%	ASTM D638
Yield, Injection Molded	12	%	ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1050	MPa	ASTM D790
Injection Molded	1000	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	4.2	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			

0.45 MPa, Unannealed, Injection Molded	80.0	°C	ASTM D648
0.45 MPa, Unannealed	78.0	°C	ISO 75-2/B
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	16	%	ASTM D1003

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