

Braskem PP RP 347

Polypropylene Random Copolymer

Braskem

Message:

RP 347 is a medium melt flow rate random copolymer designed for injection moulding. This product offers excellent transparency and gloss, very good stiffness/impact strength balance, excellent processability and also provides very low odor/taste.

Applications:
Cosmetic packaging; Containers for freezer; Containers with high transparency.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Gloss		
	Low to No Odor		
	Low to No Taste		
	Medium Flow		
	Random Copolymer		
Uses	Containers		
	Cosmetic Packaging		
	Low Temperature Applications		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Forms	Pellets		
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)	10	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	83		ASTM D785
R-Scale	82		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield, Injection Molded	30.0	MPa	ASTM D638
Yield, Injection Molded	28.0	MPa	ISO 527-2

Tensile Elongation			
Yield, Injection Molded	14	%	ASTM D638
Yield, Injection Molded	15	%	ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	950	MPa	ASTM D790
Injection Molded	950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C, Injection Molded	20	J/m	ASTM D256
23°C, Injection Molded	120	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	80.0	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	51.0	°C	ASTM D648
1.8 MPa, Unannealed	51.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	128	°C	ASTM D1525 ¹
--	181	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Haze			
1000 µm, Injection Molded	15	%	ISO 13468-1
1000 µm, Injection Molded	16	%	ASTM D1003
NOTE			

1. Loading 1 (10 N)

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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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