

Braskem PP R7051-10N

Polypropylene Random Copolymer

Braskem Europe GmbH

Message:

Braskem R7051-10N Polypropylene Resin is a random copolymer developed for injection moulding and stretch blow molding applications.

Main Characteristics:

Good balance of stiffness and impact properties

Good optical properties

Good processability

Household containers

Pails

Packaging

Complies with:

U.S. FDA DMF

U.S. FDA 21 CFR 177.1520(c)3.1a

EU, No 10/2011

Consult the regulations for complete details.

General Information			
Agency Ratings	DMF Unspecified Rating		
	EU No 10/2011		
	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	28.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	12	%	ISO 527-2
Flexural Modulus - 1% Secant (Injection Molded)	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C, Injection Molded	2.5	kJ/m ²	
23°C, Injection Molded	7.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
Vicat Softening Temperature ²	131	°C	ISO 306/A
Optical	Nominal Value	Unit	Test Method
Haze (1000 µm, Injection Molded)	12	%	ASTM D1003
NOTE			
1.	Injection Molded		

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