

Braskem PP DR7037.01

Polypropylene Random Copolymer

Braskem Europe GmbH

Message:

DR7037.01 Developmental Polypropylene is a random copolymer for thin wall injection moulding applications. This grade is characterized by excellent balance of stiffness and impact properties, very good optical properties and excellent processability.

Applications:

Thin wall packaging e.g. container, caps and lids

Thin wall consumer goods e.g. Housewares, media packaging

Process:

Injection Moulding

General Information			
Features	Rigid, good		
	Optical		
	Impact resistance, good		
	Workability, good		
	Random copolymer		
Uses	Packaging		
	Thin wall packaging		
	Cover		
	Shield		
	Household goods		
	Media packaging		
	Consumer goods application field		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	Europe 10/1/2011 12:00:00 AM		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1060	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	30.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	11	%	ISO 527-2
Flexural Modulus (Injection Molded)	1200	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C, injection molding	2.0	kJ/m ²	ISO 179/1eA
23°C, injection molding	6.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	80.0	°C	ISO 75-2/B
1.8 MPa, not annealed	48.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	128	°C	ISO 306/A
--	70.0	°C	ISO 306/B
Optical	Nominal Value	Unit	Test Method
Haze (Injection Molded)	11	%	ASTM D1003

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