Braskem PP DR7037.00

Polypropylene Random Copolymer

Braskem Europe GmbH

Message:

DR7051.00 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 Thin wall parts Cover Shield Household goods Media packaging Container Shell 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/cm³	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

Recommended distributors for this material

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