



DR7052.00 Developmental Polypropylene Resin

Natural Polypropylene Copolymer

DR7052.00 Developmental Polypropylene Resin is a random copolymer developed for thin wall injection moulding applications

DR7052.00 Developmental Polypropylene Resin is characterized by:

- Good balance of stiffness and impact properties
- Good optical properties,
- Good processability.

Applications for DR7052.00 Developmental Polypropylene Resin:

- Thin wall injection moulding
- Housewares
- Media packaging
- Lids and Caps

Properties	Units	Test Method	Value
Physical ⁽¹⁾			
Melt Flow Rate (230 °C, 2.16 kg)	g/10min	ISO 1133	42
Density	g/cm ³	ISO 1183	0.9
Hardness Shore D ⁽²⁾	units	ISO 868	94
Mechanical ^(1,2)			
Flexural Modulus	MPa	ISO 178	1050
Tensile Strength at Yield	MPa	ISO 527-2	28
Tensile Elongation at Yield	%	ISO 527-2	12
Thermal ^(1,2)			
HDT B (0.45 MPa) ⁽³⁾	°C	ISO 75/B	83
Vicat Softening Point A (10 N)	°C	ISO 306/A	127
Impact ^(1,2)			
CHARPY (notched) Impact Strength (23 °C)	kJ/m ²	ISO 179-1/1eA	6.2
CHARPY (notched) Impact Strength (0 °C)	kJ/m ²	ISO 179-1/1eA	2.0
Optical ^(1,2)			
Haze	%	ASTM D1003	10

⁽¹⁾ Typical values; not to be construed as specification limits.

⁽²⁾ Injection moulded specimens.

⁽³⁾ Unannealed specimens.

Regulatory Information

DR7052.00 Polypropylene Resin should comply with Europe EU-Directive 2002/72/EC food regulations. This Polypropylene resin contains one new substance which is currently under evaluation by the Dutch and German authorities for addition to their national provisions. This new substance is not regulated by the EU Commission Directive 2002/72/EC, incl. subsequent amendments.

It is the responsibility of the manufacturers of food contact articles and industrial food packers to make sure the articles in their actual use are in compliance with the imposed migration requirements. The appropriate regulations should be consulted for more detailed information. Compliance letters can be obtained through the Dow sales representative

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Additional Information

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