

REPOL® R019MZ

Polypropylene Random Copolymer

Reliance Industries Limited

Message:

REPOL Polypropylene R019MZ is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system. Repol R019MZ is recommended for use in Blow Moulding & Extrusion processes. It is an ideal material for making clear bottles, containers, ball pen refills, sheets, stationery items and thermoformed products.

General Information			
Features	Good Impact Resistance		
	High Clarity		
	High Gloss		
	Random Copolymer		
Uses	Bottles		
	Sheet		
	Stationary Supplies		
	Writing Instruments		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.9	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	28.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	12	%	ASTM D638
Flexural Modulus - 1% Secant ³	1300	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Melting Temperature	150	°C	DSC
NOTE			
1.	Type I, 50 mm/min		
2.	Type I, 50 mm/min		
3.	Type I		

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Recommended distributors for this material

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