

REPOL® R019MG

Polypropylene Random Copolymer

Reliance Industries Limited

Message:

REPOL Polypropylene R019MG 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 R019MG is recommended for use in Blow Moulding & Extrusion processes. It is an ideal material for making I.V.fluid bottles and blow moulded odour free containers for pharmaceutical packaging.

General Information	
Features	Good Impact Resistance Good Processability Low Extractables Low to No Odor Random Copolymer
Uses	Containers Medical/Healthcare Applications Pharmaceutical Packaging
Forms	Pellets
Processing Method	Blow Molding Extrusion

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	1200	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)	90.0	°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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