

# REPOL® H007EG

Polypropylene Homopolymer

Reliance Industries Limited

## Message:

REPOL Polypropylene H007EG 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 H007EG is recommended for use in Extrusion and Blow Moulding processes. It is an ideal material for making sheets and deep drawn thermoformed products, pipes, filter presses, strappings and blow moulded bottles.

General Information	
Features	Good Melt Strength Good Processing Stability Homopolymer
Uses	Blow Molding Applications Bottles Piping Strapping
Forms	Pellets
Processing Method	Blow Molding Extrusion Pipe Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	34.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup>	1500	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648

NOTE	
1.	Type I, 50 mm/min
2.	Type I, 50 mm/min
3.	Type I

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