

REPOL® H020EG

Polypropylene Homopolymer

Reliance Industries Limited

Message:

Repol H020EG is recommended for use in Extrusion & Blow Moulding processes. It is an ideal material to use in making blow moulded bottles, straws, ball pen refills, strappings, stationery items, sheets and thermoformed containers.

General Information			
Features	Food Contact Acceptable		
Uses	Blow Molding Applications		
	Blown Containers		
	Bottles		
	Drinking Straws		
	Sheet		
	Stationary Supplies		
	Strapping		
	Thermoformed Containers		
Agency Ratings	Writing Instruments		
	FDA 21 CFR 177.1520		
	IS 10909		
Processing Method	IS 10910		
	Blow Molding		
	Extrusion		
Physical	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1700	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	40	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		

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Recommended distributors for this material

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