

REPOL® C005EG

High Melt Strength Polypropylene

Reliance Industries Limited

Message:

REPOL Polypropylene C005EG 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 C005EG is recommended for use in Extrusion and Moulding processes where high melt strength is the criteria. It is an ideal material for making pipes for effluent treatment, irrigation, chemical industries, food industries and for other low pressure applications. It can also be used in moulding of compression fittings for PE & PP pipes.

General Information			
Features	Good Impact Resistance		
	Good Melt Strength		
	Good Processability		
	Good Stiffness		
	High Gloss		
	Impact Copolymer		
Uses	Fittings		
	Industrial Applications		
	Piping		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	26.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant ³	1000	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	300	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
NOTE			
1.	Type I, 50 mm/min		
2.	Type I, 50 mm/min		
3.	Type I		

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