

# REPOL® AS160N

Polypropylene Homopolymer

Reliance Industries Limited

Message:

Repol AS160N is a medium melt flow Homopolymer recommended for use in Fibre Spinning operations, for making multifilaments and staple fibres. Repol AS160N has excellent processability for production of high tenacity multifilament yarns.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
Uses	BCF Yarn		
	Filaments		
	Staple Fibers		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10909		
	IS 10910		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	37.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	11	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1500	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
NOTE			
1.	Type I, 50 mm/min		
2.	Type I, 50 mm/min		

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