

REPOL® H110FG

Polypropylene Homopolymer

Reliance Industries Limited

Message:

REPOL Polypropylene H110FG 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 H110FG is recommended for use in Fiber Spinning operations, for making multifilament FDY yarns and staple fibres. Repol H110FG is tested for contents from the point of suitability to fibre spinning.

General Information			
Features	Good Color Stability		
	Good Processability		
	Homopolymer		
Uses	BCF Yarn		
	Staple Fibers		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	35.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant ³	1450	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648
Melting Temperature	163	°C	DSC
NOTE			
1.	Type I, 50 mm/min		
2.	Type I, 50 mm/min		
3.	Type I		

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