

REPOL® H200FG

Polypropylene Homopolymer

Reliance Industries Limited

Message:

Repol H200FG is recommended for use in Fiber Spinning operations, for making multifilament yarn and staple fibre. Repol H200FG has excellent uniformity needed for high speed spinning of fine deniers. Repol H200FG contains an excellent process stabilizer package suitable for non-woven and filament products. Formulated for gas fading resistance.

General Information			
Additive	Anti-gas fading		
	Processing Stabilizer		
Features	Food Contact Acceptable		
	Gas-fading Resistant		
Uses	BCF Yarn		
	Fibers		
	Filaments		
	Nonwovens		
	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)	20	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)	11	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1650	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	27	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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