

# REPOL® H110MS

Polypropylene

Reliance Industries Limited

## Message:

REPOL Polypropylene H110MS 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 H110MS is recommended for Injection Moulding processes. Repol H110MS is an ideal choice for moulding furnitures. It is also suitable for applications where high stiffness is desired. Repol H110MS contains antistat agent that reduces static charge build-up on products

General Information			
Features	Rigidity, high		
	Workability, good		
	Good processing stability		
	Compliance of Food Exposure		
Agency Ratings	FDA 21 CFR 177.1520		
	USP XXIII, Class VI		
Forms	Particle		
Processing Method	Injection molding		
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 <sup>1</sup> (Yield, Injection Molded)	36.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	1750	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648
Additional Information			
The values listed were tested in accordance with ASTM D4101			
NOTE			
1.	Type 1, 50mm/min		
2.	Type 1, 50mm/min		
3.	Type 1		

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