

REPOL® H033MG

Polypropylene Homopolymer

Reliance Industries Limited

Message:

REPOL Polypropylene H033MG 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 H033MG is recommended for Injection Moulding of products where short flow paths are involved. Repol H033MG is an ideal choice for moulding small industrial components, textile bobbins, caps, combs, toys etc. It is also suitable as a blending material in furniture compound.

General Information			
Features	Homopolymer		
	Workability, good		
	Good processing stability		
	Good color stability		
Uses	Industrial application		
	Shield		
	Mixing		
	Furniture		
	Toys		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	34.5	MPa	ASTM D638
Tensile Elongation ² (Yield)	12	%	ASTM D638
Flexural Modulus - 1% Secant ³	1700	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	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 1, 50mm/min		
2.	Type 1, 50mm/min		
3.	Type 1		

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