

REPOL® D080MN

Polypropylene

Reliance Industries Limited

Message:

REPOL Polypropylene D080MN 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 D080MN is recommended for use in Injection Moulded processes where high rigidity and impact strength are required. It is an ideal material for compounding, automotive components, luggage etc.

Repol D080MN contains nucleating agent for good stiffness.

General Information			
Additive	Nucleating agent		
Features	Rigidity, high		
	Highlight		
	Impact resistance, good		
	High liquidity		
	Compliance of Food Exposure		
Uses	Composite		
	Leather case		
	Application in Automobile Field		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Composite		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1280	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	105	°C	ASTM D648
Additional Information			

The values listed were tested in accordance with ASTM D4101

NOTE

1.	Type 1, 50mm/min
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3.	Type 1

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