

# REPOL® AM350N

Polypropylene Homopolymer

Reliance Industries Limited

## Message:

Repol AM350N high melt flow, narrow molecular weight polypropylene homopolymer resin is recommended for use in Thin Wall Injection Molding (TWIM) containers for packaging applications and, large size furniture applications. Repol AM350N is an ideal material for melt flow modifier for compounding and masterbatch manufacturing process.

General Information			
Features	Homopolymer		
	High liquidity		
	Compliance of Food Exposure		
	Narrow molecular weight distribution		
Uses	Packaging		
	Thin wall parts		
	Thin wall container		
	Composite		
	Furniture		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10909		
	IS 10910		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1400	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	22	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	102	°C	ASTM D648
NOTE			
1.	Type 1, 50mm/min		

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#### Recommended distributors for this material

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