

Reliance® H110MA

REPOL Polypropylene H110MA 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 H110MA is recommended for injection molding processes. Repol H110MA is an ideal choice for molding rigid containers, thermowares and housewares. It is also suitable as a compounding base and blending material in furniture compound. Repol H110MA contains antistat agent that reduces static charge build-up on products

Physical Properties	Metric	English	Comments
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 230 °C	11 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	36.0 MPa	5220 psi	50mm/min; ASTM D638
Elongation at Yield	10 %	10 %	50mm/min; ASTM D638
Flexural Modulus, 1% Secant	1650 MPa	239000 psi	ASTM D790A
Izod Impact, Notched	0.270 J/cm @Temperature 23.0 °C	0.506 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	ASTM D648