

Technical Data Sheet

Moplen RP348N

Polypropylene, Random Copolymer



Product Description

Moplen RP348N is a polypropylene random copolymer resin with high clarity, good stiffness impact balance, and good processability. Typical customer applications are food containers, housewares, motorcycle battery cases, ISBM bottles, and parts of electrical appliances such as fan blades.

Application Battery Cases; Bottles For Consumer Goods; Caps & Closures; Clear Containers;

Containers; Housewares

Market Consumer Products; Rigid Packaging

Processing Method Injection Blow Molding; Injection Molding; Injection Stretch Blow Molding

Attribute Good Impact Resistance; Good Processability; Good Stiffness; High Clarity; Random

Copolymer

	Nominal		
Typical Properties	Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1050	MPa	ASTM D790
Tensile Strength at Yield	29	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	70	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load	86	°C	ASTM D648