



Moplen RP348N

Polypropylene, Random Copolymer

Product Description

Moplen RP348N is a polypropylene random copolymer. With its high clarity, good chemical resistance, and good balance of rigidity and impact performance, this grade is suitable for a variety of injection molding applications. Potential end uses products include food containers, housewares, fan blades, motorcycle battery cases, and Injection Stretch Blow Moulding.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Method	Injection Molding, Injection Stretch Blow Molding
Features	Good Chemical Resistance, High Clarity, Random Copolymer, Good Impact Resistance, Good Processability, Medium Rigidity
Typical Customer Applications	Caps & Closures, Housewares, Bottles For Consumer Goods, Clear Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity (Method B)	ASTM D 792	0.90	g/cm ³
Melt flow rate (230°C/2.16kg)	ASTM D 1238	11	g/10 min
Mechanical			
Tensile Strength @ Yield	ASTM D 638	29	MPa
Flexural Modulus (Procedure A)	ASTM D 790	1050	MPa
Tensile Elongation @ Yld	ASTM D 638	13	%
Impact			
Notched izod impact (23 °C, Method A)	ASTM D 256	64	J/m
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	86	°C

Notes

Typical properties; not to be construed as specifications.