



Moplen RP440N

Polypropylene, Random Copolymer

Product Description

Moplen RP440N 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.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Method	Injection Molding
Features	Good Chemical Resistance, High Clarity, Random Copolymer, Good Impact Resistance , Good Processability, Medium Rigidity
Typical Customer Applications	Battery Cases, Housewares, Clear Containers

Typical Properties	Method	Value Unit
Physical		
Density -Specific Gravity	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	33 MPa
Flexural Modulus	ASTM D 790	1400 MPa
Tensile Elongation @ Yld	ASTM D 638	11 %
Impact		
Notched izod impact (23 °C)	ASTM D 256	37 J/m
Thermal		
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	99 °C

Notes

Typical properties; not to be construed as specifications.

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- ┆ Basell Sales & Marketing Company B.V.
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