



Moplen RP1085 Provisional Data Sheet

Polypropylene, Random Copolymer

Product Description

Developmental Grade Moplen RP1085 is a polypropylene random copolymer. With its high melt flow, gloss and transparency, this product is particularly suitable for injection molding. Potential end use applications include housewares, caps and food packaging.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Method	Injection Molding
Features	Antistatic, High Clarity, Random Copolymer, High Flow , High Gloss , Low Warpage
Typical Customer Applications	Housewares, Multi Media Packaging, Clear Containers

Typical Properties	Method	Value Unit
Physical		
Density -Specific Gravity	ASTM D 792	0.9 g/cm ³
Melt flow rate (230°C/2.16kg)	ASTM D 1238	40 g/10 min
Note: ASTM D1238L		
Mechanical		
Tensile Strength @ Yield	ASTM D 638	320 kg/cm ²
Flexural Modulus	ASTM D 790	12500 kg/cm ²
Tensile Elongation @ Yld	ASTM D 638	13 %
Impact		
Notched izod impact (23 °C)	ASTM D 256	5 kg-cm/cm
Hardness		
Rockwell Hardness (R Scale)	ASTM D 785	90
Thermal		
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	95 °C

Notes

Typical properties; not to be construed as specifications.

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- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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