



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 Methods	Injection Molding
Features	Antistatic, High Clarity, Random Copolymer, High Flow , High Gloss , Low Warpage
Typical Customer Applications	Clear Containers, Housewares, Multi Media Packaging

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
<i>Note: ASTM D1238L</i>			
Mechanical			
Flexural Modulus	ASTM D 790	12500	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	320	kg/cm ²
Tensile Elongation @ Yield	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.