



Moplen EP300R

Polypropylene, Impact Copolymer

Product Description

Moplen EP300R is a polypropylene impact copolymer. This grade is known for having an optimized balance of stiffness and toughness. Potential applications include injection molding of washing machine tubs, electrical appliance parts, thin wall packaging and housewares.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, Good Impact Resistance , Good Processability, Good Toughness
Typical Customer Applications	Housewares, TWIM Food Containers, TWIM Non-food 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	30	g/10 min
<i>Note: ASTM D1238L</i>			
Mechanical			
Flexural Modulus	ASTM D 790	10500	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	240	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	5	%
Impact			
Notched Izod Impact	ASTM D 256		
(23 °C)		13	kg-cm/cm
(-20 °C)		5	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	85	
Thermal			
Vicat softening point	ASTM D 1525	150	°C

Notes

Typical properties; not to be construed as specifications.