



## Moplen EP545L

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP545L is a heterophasic copolymer suitable for the production of beverage closures using both compression and injection moulding technologies. The resin is additivated with both slip and antistatic whilst exhibiting a good stiffness and impact strength. Additional applications for this resin include housewares and medium-sized containers.

#### Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Antistatic, Good Impact Resistance , Nucleated, Good Stiffness , High Strength
Typical Customer Applications	Caps & Closures, Housewares, Opaque Containers

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density -Specific Gravity	ASTM D 792	0.90	g/cm <sup>3</sup>
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	6	g/10 min
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	1480	MPa
Tensile Strength @ Yield	ASTM D 638	31	MPa
Tensile Elongation @ Yield	ASTM D 638	7	%
<b>Impact</b>			
Notched Izod Impact (23 °C)	ASTM D 256	77	J/m
<b>Thermal</b>			
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	115	°C

#### Notes

Typical properties; not to be construed as specifications.