



Moplen EP439S

Polypropylene, Impact Copolymer

Product Description

Moplen EP439S is a polypropylene impact copolymer. With its high melt flow, high gloss, and superior balance of impact and stiffness properties, this product is especially suitable for injection molding. Typical end use applications include exterior parts for appliances.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Antistatic, Impact Copolymer, Fast Cycle (Production) , High Flow , High Gloss , Good Heat Aging Resistance , High Impact Resistance , Good Moldability , High Stiffness, Good Weather Resistance
Typical Customer Applications	Cooling, Dishwashing, Opaque Containers, Washing

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	40	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790	1300	MPa
Tensile Strength @ Yield	ASTM D 638	27	MPa
Tensile Elongation @ Yield	ASTM D 638	6	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	64	J/m
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	106	°C

Notes

Typical properties; not to be construed as specifications.