Technical Data Sheet

Moplen EP5079

Polypropylene, Impact Copolymer

Product Description

Moplen EP5079 is a fractional melt flow heterophasic copolymer with very low gel and low odor, good stiffness impact balance, and good heat resistance. Typical customer applications are multilayer packaging, high heat resistance thermoforming tray, blow molding for cosmetic and detergent bottles, extrusion sheets with high gloss.

Regulatory Status

For regulatory compliance information, see *Moplen* EP5079 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Bottles For Consumer Goods; General Sheet Extrusion; Opaque Containers; Thermoformed Food Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Extrusion Blow Molding; Thermoforming
Attribute	High Gloss; High Heat Resistance; High Impact Resistance; Low Gel; Medium Rigidity

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.5	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1700	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	11	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	No Break		ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	100		ASTM D785
Thermal			
Vicat Softening Point	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm²)	120	°C	ASTM D648

Notes

These are typical property values not to be construed as specification limits.