

## 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.

<b>Application</b>	Bottles For Consumer Goods; General Sheet Extrusion; Opaque Containers; Thermoformed Food Containers
<b>Market</b>	Consumer Products; Rigid Packaging
<b>Processing Method</b>	Extrusion Blow Molding; Thermoforming
<b>Attribute</b>	High Gloss; High Heat Resistance; High Impact Resistance; Low Gel; Medium Rigidity

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	0.5	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1700	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	11	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	No Break		ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	100		ASTM D785
<b>Thermal</b>			
Vicat Softening Point	150	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	120	°C	ASTM D648