

# Moplen EP200R

Thermoplastic Polyurethane Elastomer

PolyMirae

## Message:

Moplen EP200R is the reactor TPO manufactured by PMC under the license of BASELL using the Spheripol process.  
Moplen EP200R is a super impact copolymer particularly suitable for injection molding of high impact resistance required application and compounding base resin of automotive bumper fascia and containers.

General Information			
Features	Good Processability		
	High Impact Resistance		
	Impact Copolymer		
	Low Temperature Impact Resistance		
Uses	Automotive Bumper		
	Containers		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	50		ASTM D785
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	17.7	MPa	ASTM D638
Tensile Elongation (Yield)	6.0	%	ASTM D638
Flexural Modulus	735	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	130	J/m	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	130	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	30		ASTM D523

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