

# MOSTEN MA 612

Polypropylene Impact Copolymer

UNIPETROL RPA

## Message:

Poylpropylene Mosten MA 612 is an impact resistant block copolymer with a special stabilization system ensuring good demoulding properties and low tendency to warpage. It is intended for injection moulding of parts with high demands on impact strength. The grade exhibits good balance between stiffness and toughness. Typical application is manufacture of technical parts such as cases, tools and transportation boxes, traveling cases shells, car battery boxes, etc. It can also be used as a matrix for manufacture of various compounds, especially in car industry.

General Information			
Features	Block Copolymer		
	Good Mold Release		
	Good Stiffness		
	Good Toughness		
	High Impact Resistance		
	Low Warpage		
Uses	Automotive Applications		
	Battery Cases		
	Compounding		
	Tool/Tote Box		
Agency Ratings	EC 1935/2004		
	EU No 10/2011		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Tensile Strain (Break)	> 200	%	ISO 527-2
Flexural Modulus	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	7.0	kJ/m <sup>2</sup>	
23°C	45	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	52.0	°C	ISO 75-2/A
Vicat Softening Temperature	145	°C	ISO 306

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