

MOSTEN MA 611

Polypropylene Copolymer

UNIPETROL RPA

Message:

Polypropylene Mosten MA 611 is an impact resistant, nucleated block copolymer with antistatic additivation, intended for injection moulding of parts with high demands on impact strength. It exhibits good balance between stiffness and toughness. Typical application is production of technical parts, such as cases, tool and transportation boxes, travelling cases shells, car battery boxes, etc. The grade can also be used as a matrix for manufacture of various compounds, especially in car industry.

General Information	
Additive	Antistatic Nucleating Agent
Features	Antistatic Block Copolymer Good Stiffness Good Toughness High Impact Resistance Nucleated
Uses	Automotive Applications Battery Cases Compounding Tool/Tote Box
Agency Ratings	EC 1935/2004 EU No 10/2011
Forms	Pellets
Processing Method	Compounding Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Tensile Strain (Break)	> 200	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179


-20°C	7.0	kJ/m ²	
23°C	50	kJ/m ²	
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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