

MOSTEN GB 503

Polypropylene Copolymer
UNIPETROL RPA

Message:

Polypropylene Mosten GB 503 is a general purpose block copolymer with basic additivation, intended especially for injection moulding of parts requiring high impact strength. It can be also used for production of co-extruded thermoforming films.

General Information	
Features	Food Contact Acceptable
	High Impact Resistance
Uses	Film
Agency Ratings	EC 1935/2004
	EU No 10/2011
Forms	Pellets
Processing Method	Coextrusion
	Injection Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	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	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	8.0	kJ/m²	
23°C	60	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	53.0	°C	ISO 75-2/A
Vicat Softening Temperature	148	°C	ISO 306

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