

MOSTEN GB 502

Polypropylene Copolymer

UNIPETROL RPA

Message:

Mosten GB 502 is a block copolymer, suitable for injection moulding of technical parts with high demands on impact strength. Further application can be manufacture of co-extruded films for subsequent thermoforming, manufacture of corrugated pipes and compounds.

Mosten GB 502 meets the hygienic regulations concerning contact with food of European Union (Commission Directives), Germany (BfR) and USA (FDA). The product is not classified as a hazardous preparation according to Directive 1999/45/EC.

General Information			
Features	Block Copolymer		
	Food Contact Acceptable		
	General Purpose		
	High Impact Resistance		
Uses	Compounding		
	Corrugated Pipe		
	Film		
	Piping		
Agency Ratings	BfR Food Contact, Unspecified Rating		
	EU 1999/45/EC		
	EU Food Contact, Unspecified Rating		
	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Coextruded Film		
	Compounding		
	Injection Molding		
	Pipe Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Break)	> 200	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

-20°C	5.0	kJ/m ²	
23°C	20	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	148	°C	ISO 306

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

