

MOSTEN GB 504

Polypropylene Copolymer

UNIPETROL RPA

Message:

MOSTEN GB 504 is a block copolymer containing a nucleation agent. It is suitable for injection moulding of large containers and technical parts with high demands on impact strength. Further application is manufacture of co-extruded films intended for subsequent thermoforming.

General Information			
Additive	Nucleating Agent		
Features	Block Copolymer		
	Food Contact Acceptable		
	High Impact Resistance		
	Nucleated		
Uses	Containers		
	Engineering Parts		
Agency Ratings	EC 1935/2004		
	EU No 10/2011		
Forms	Pellets		
Processing Method	Coextruded Film		
	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	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	1250	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	150	°C	ISO 306

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