

MOSTEN GB 005

Polypropylene Homopolymer
UNIPETROL RPA

Message:

Polypropylene Mosten GB 005 is a general purpose homopolymer, intended for injection moulding and for production of thermoforming films. It can be also used for production of various compounds.
Mosten GB 005 meets the hygienic regulations concerning contact with food of European Union (Commission Directive), Germany (BfR) and USA (FDA).
The product is not classified as a dangerous preparation according to Directive 1999/45/EC.

General Information	
Features	Food Contact Acceptable
	General Purpose
	Homopolymer
Uses	Compounding
	Film
Agency Ratings	BfR Food Contact, Unspecified Rating
	EU Food Contact, Unspecified Rating
	FDA Food Contact, Unspecified Rating
Forms	Pellets
Processing Method	Compounding
	Injection Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	34.0	MPa	ISO 527-2
Tensile Strain (Break)	> 100	%	ISO 527-2
Flexural Modulus	1550	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	56.0	°C	ISO 75-2/A
Vicat Softening Temperature	157	°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



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