

MARPOL® Homo 4.5

Polypropylene Homopolymer

Marco Polo International, Inc.

Message:

Additives: None
Recommended Applications: Slit film, monofilament, and fibrillated tape applications requiring improved process stability.
Homo 4.5 complies with all applicable FDA regulations for food contact applications.

General Information			
Features	Additive Free		
	Food Contact Acceptable		
	Homopolymer		
Uses	Film		
	Monofilaments		
	Tape		
Agency Ratings		FDA Food Contact, Unspecified Rating	
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1520	MPa	ASTM D638
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	910	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	107	°C	ASTM D648
Melting Temperature	73.9	°C	

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