

# MARPOL® HDF 505

High Density (HMW) Polyethylene

Marco Polo International, Inc.

Message:

High Molecular Weight - BioModal Film Resin  
Broad Molecular Weight Distribution  
Excellent Impact and Tear Strength  
Applications: T-Shirts Sack, Trash Can Liners

General Information			
Features	Food Contact Acceptable		
	Good Tear Strength		
	High Impact Resistance		
	High Molecular Weight		
	Wide Molecular Weight Distribution		
Uses	Bags		
	Film		
	Liners		
Agency Ratings	FDA Food Contact, Unspecified Rating		
	HPB (Canada) Food Contact, Unspecified Rating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.947	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.050	g/10 min	
190°C/21.6 kg	10	g/10 min	
190°C/5.0 kg	0.32	g/10 min	
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield	36.5	MPa	
TD : Yield	34.5	MPa	
Dart Drop Impact	350	g	ASTM D1709A
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	132	°C	ASTM D3417

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