

MARPOL® HDF 504

High Density (HMW) Polyethylene

Marco Polo International, Inc.

Message:

Description: MARPOL® HDF 504 is a bi-modal HMW-HDPE resin designed for high dart impact strength and good processing characteristics. MARPOL® HDF 504 is well balanced in overall physical properties and provides good stiffness for thin gauge film applications.

Recommended Applications: T-shirt bags, trash can liners, industrial liners, and heavy bags.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	High Impact Resistance		
Uses	Bags		
	Film		
	Heavy-duty Bags		
	Liners		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.040	g/10 min	
190°C/21.6 kg	8.5	g/10 min	
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Break	62.1	MPa	
TD : Break	28.3	MPa	
Tensile Elongation			ASTM D882
MD : Break	300	%	
TD : Break	410	%	
Dart Drop Impact	210	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	12	g	
TD	25	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	131	°C	DSC

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Recommended distributors for this material

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