

MARPOL® HDB 502 Phillips Process

High Density Polyethylene

Marco Polo International, Inc.

Message:

MARPOL® HDB 502 Phillips Process is a High Density Polyethylene product. It is available in Asia Pacific, Europe, Latin America, or North America. Typical application: Food Contact Applications. Primary characteristic: food contact acceptable.

General Information			
Features	Food Contact Acceptable		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.32	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
F50	> 500	hr	ASTM D2561
F50	30.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Flexural Modulus	1240	MPa	ASTM D790

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