

# MARPOL® HDB 501

High Density Polyethylene  
Marco Polo International, Inc.

Message:  
Applications: Industrial parts, pallets, and large foam parts suitable for food packaging

General Information			
Features	Food Contact Acceptable		
Uses	Blow Molding Applications		
	Foam		
	Food Packaging		
	Industrial Applications		
	Industrial Parts		
	Pallets		
Agency Ratings	FDA Food Contact, Unspecified Rating		
	HPB (Canada) Food Contact, Unspecified Rating		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.2	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	1210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	127	°C	ASTM D3417
Additional Information	Nominal Value	Unit	
Blow Molding Temperature	188 to 232	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	193 to 249	°C	

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