

MARPOL® HDB 501 Powder

High Density Polyethylene

Marco Polo International, Inc.

Message:

MARPOL® HDP 501 Powder comes in powder form and can - in principle - be used in food contact applications in the USA (FDA) and Canada (HBP).

Migration and use limitations may apply.

Applications: Compounding, industrial parts, pallets and large foam parts suitable for food packaging.

General Information			
Features	High density		
	Compliance of Food Exposure		
Uses	Pallets		
	Composite		
	Industrial components		
	Food packaging		
Agency Ratings	FDA Food Exposure, Not Rated		
	HPB (Canada) Food Contact, Unspecified Rating		
Forms	Powder		
Processing Method	Blow film		
	Blow molding		
	Composite		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.945 - 0.947	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.020 - 0.080	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
Additional Information	Nominal Value	Unit	
Blow Molding Temperature	188 - 232	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	193 - 249	°C	

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