

MARPOL® HDM 510-UV

High Density Polyethylene
Marco Polo International, Inc.

Message:

MARPOL® HDM 510-UV exhibits excellent stiffness for thin walled applications, improved stack strength and low viscosity for exceptional processing with shorter cycle times. This resin's superior physical properties provide impact resistance for demanding applications and low warpage for improved part quality and reliability.

General Information			
Additive	Antioxidant		
	UV Stabilizer		
Features	Antioxidant		
	Fast Molding Cycle		
	Good Impact Resistance		
	Good UV Resistance		
	High Stiffness		
	Low Viscosity		
	Low Warpage		
Uses	Crates		
	Pails		
	Pallets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.964	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	33.0	MPa	
Break	15.0	MPa	
Tensile Elongation			ASTM D638
Yield	7.0	%	
Break	100	%	
Flexural Modulus - 1% Secant	1700	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	131	°C	ASTM D1525

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Recommended distributors for this material

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