

MARPOL® HDB 504G

High Density Polyethylene

Marco Polo International, Inc.

Message:

MARPOL® HDB 504G is a high density polyethylene, gas phase blow molding resin. It exhibits excellent impact resistance and is designed for applications that require outstanding ESCR.

Recommended Applications: Detergent bottles, industrial chemical bottles, household chemical bottles, industrial containers, large parts and recyclable containers.

General Information			
Additive	Antistatic property		
Features	High ESCR (Stress Cracking Resistance)		
	High density		
	Antistatic property		
	Impact resistance, high		
Uses	Industrial container		
	Bottle		
	Container		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.34	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	250	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.2	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Flexural Modulus	1070	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746

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Recommended distributors for this material

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