

MARPOL® HDP 501

High Density Polyethylene Copolymer

Marco Polo International, Inc.

Message:

Description

MARPOL® HDP 501 is a hexene copolymer designed for non-pressure pipe applications that require good melt strength and ESCR.

Recommended Applications

Pipe conduit and duct

General Information			
Features	Copolymer		
	Good Melt Strength		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
Uses	Conduit		
	Piping		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
100% Igepal	> 2000	hr	ASTM D1693B
100% Igepal	> 2000	hr	ASTM D1693C
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.1	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus - 2% Secant	896	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746

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