

MARPOL® MD 5.0.935

Medium Density Polyethylene

Marco Polo International, Inc.

Message:

MARPOL® MD 5.0.935 is a Medium Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Good UV Resistance

UV Stabilized

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance		
	Medium Density		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	> 300	hr	ASTM D1693A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	69		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant (Compression Molded)	500	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, Compression Molded	18.0	MPa	
Break, Compression Molded	11.5	MPa	
Tensile Elongation (Break, Compression Molded)	700	%	ASTM D638
Flexural Modulus (Compression Molded)	724	MPa	ASTM D790
Flexural Strength (Compression Molded)	19.3	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	115	°C	ASTM D1525
Additional Information	Nominal Value	Unit	
Oven Temperature	315	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	210 to 240	°C	

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