MARPOL® ULTRA LOW DENSITY

Ethylene Vinyl Acetate Copolymer

Marco Polo International, Inc.

Message:

MARPOL® Ultra Low Density is an ethylene-copolymer resin that exhibits great flow characteristics and is suitable across an array of applications. Recommended Applications: General purpose thermoplastic elastomers, wire, cable, blending with polypropylene and polyethylene. Also good for applications requiring good electrical, heat aging and weather resistance properties.

General Information	
Features	Low density
	Copolymer
	Good electrical performance
	Good liquidity
	Good heat aging resistance
	Good weather resistance
Uses	Wire and cable applications
	Mixing
	General

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.870 - 0.890	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0 - 7.0	g/10 min	ASTM D1238
Mooney Viscosity (ML 1+4, 121°C)	8	MU	ASTM D1646
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	66		ASTM D2240
Shaw D, 1 sec	17		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
--	5.70	MPa	ASTM D638
100% strain	2.30	MPa	ASTM D638
Tensile Elongation (Break)	1100	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant	10.9	MPa	ASTM D790
2% secant	10.8	MPa	ASTM D790
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength	37.1	kN/m	ASTM D624
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	37.0	°C	ASTM D1525

Recommended distributors for this material

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