Vamac® GLS

Ethylene Acrylic Elastomer

DuPont Performance Elastomers

Message:

DuPont™ Vamac® GLS is a terpolymer of ethylene, methyl acrylate, and a cure site monomer cured using a diamine-based vulcanization system. Compared with Vamac® G, Vamac® GLS offers significantly improved resistance to oil swell and chemicals such as diesel fuel. Vamac® GLS elastomer contains a small amount of processing aid and has a nominal specific gravity of 1.06. It has a mild acrylic odor. Storage stability is excellent.

General Information			
Additive	Processing Aid		
Features	Good Chemical Resistance Oil Resistant Terpolymer		
Appearance	Clear/Transparent		
Forms	Bale		
Physical	**Nominal Value**	**Unit**	**Test Method**
Mooney Viscosity			ASTM D1646
ML 1+4, 100°C	19	MU	
MS 1, 121°C	> 15	MU	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	68		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	6.40	MPa	ASTM D412
Tensile Strength (Yield)	16.1	MPa	ASTM D412
Tensile Elongation (Break)	270	%	ASTM D412
Tear Strength [1] (23°C)	33.3	kN/m	ASTM D624
Compression Set			ASTM D395
150°C, 70 hr	20	%	
150°C, 168 hr	28	%	
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air			ASTM D573
150°C, 168 hr	-3.0	%	
100% Strain, 150°C, 168 hr	5.0	%	
175°C, 336 hr	-5.0	%	
100% Strain, 175°C, 336 hr	47	%	
Change in Ultimate Elongation in Air			ASTM D573
150°C, 168 hr	2.0	%	
175°C, 336 hr	-29	%	
Change in Durometer Hardness in Air			ASTM D573
Shore A, 150°C, 168 hr	4.0		

Shore A, 175°C, 336 hr	18		
Change in Volume (150°C, 70 hr, in IRM 903 Oil)	27	%	ASTM D471
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-30.0	°C	ASTM D3418
Additional Information	Nominal Value	Unit	Test Method
Mooney Scorch - Time to 10-unit rise (121°C)	10.1	min	ASTM D1646
Volatiles	< 0.4	wt%	Internal Method
NOTE			
1.	Die C		

Recommended distributors for this material

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