Viton® B-202

Fluoroelastomer

DuPont Performance Elastomers

Message:

Viton® B-202* is a low viscosity, B-type gum polymer that demonstrates improved processing and rheology when compared with existing fluoroelastomers.
Viton B-202 is designed to be cured with either Viton Curative #30 or Viton Curative #50. When using Viton Curative #30, use Viton Curative #20 in a ratio of about 1.8 Viton Curative #30 to Viton Curative #20. When using Viton Curative #50, use 0.3-0.5 phr of Viton Curative #20 to ensure a fast cure rate. Note that Viton Curative #20 can be difficult to mix into low viscosity stocks, such as those based on Viton B-202, and careful attention needs to be paid to mixing procedures.
Compared with other B-family terpolymers, Viton B-202 provides:
-Low viscosity
-Improved processing
-Increased mold flow
-Excellent mold release
Applications
-Transfer and injection molding of complex shapes
-Extrusions (e.g., fuel hose and tubing)
-Solution coatings of fabrics, tanks or chemical containers
Viton B-202 can be blended with other Viton types to modify viscosity, enhance processibility and/or improve flow.

General Information			
Features	Low viscosity Good demoulding performance		
Uses	Washer Metal bonding Seals		
Appearance	Grey		
Forms	Sheet		
Processing Method	Coating		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.86	g/cm³	ASTM D792
Mooney Viscosity	20	MU	ASTM D1646
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	77		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	3.70	MPa	ASTM D412
Tensile Strength (Break)	8.70	MPa	ASTM D412
Tensile Elongation (Break)	310	%	ASTM D412
Compression Set			
150°C, 70 hr	20	%	ASTM D395B
200°C, 70 hr	34	%	ASTM D395
200°C, 168 hr	42	%	ASTM D395B

Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			ASTM D573
200°C, 168 hr	55	%	ASTM D573
100% strain, 200°C, 168 hr	57	%	ASTM D573
232°C, 24 hr	52	%	ASTM D573
100% strain, 232°C, 24 hr	38	%	ASTM D573
250°C, 168 hr	29	%	ASTM D573
100% strain, 250°C, 168 hr	24	%	ASTM D573
Change in Ultimate Elongation in Air			ASTM D573
200°C, 168 hr	-26	%	ASTM D573
232°C, 24 hr	-23	%	ASTM D573
250°C, 168 hr	-26	%	ASTM D573
Change in Durometer Hardness in Air			ASTM D573
Support a, 200°C, 168 hr	3.0		ASTM D573
Support a, 232°C, 4 hr	1.0		ASTM D573
	-26		
Support a, 250°C, 168 hr	2.0		ASTM D573
Change in Tensile Strength			ASTM D471
150°C, 168 hr, in ASTM 105 oil	-23	%	ASTM D471
100% strain, 150°C, 168 hr, in ASTM 105 oil	49	%	ASTM D471
200°C, 70 hr, in Stauffer 7700 liquid	30	%	ASTM D471
100% strain, 200°C, 70 hr, in Stauffer 7700 liquid	24	%	ASTM D471
Change in Ultimate Elongation			ASTM D471
150°C, 168 hr, in ASTM 105 oil	-56	%	ASTM D471
200°C, 70 hr, in Stauffer 7700 liquid	-19	%	ASTM D471
Change in Durometer Hardness			ASTM D471
Support A, 150°C, 168 hr, in ASTM 105 oil	5.0		ASTM D471
Support A, 200°C, 70 hr, in Stauffer 7700 liquid	-8.0		ASTM D471
Change in Volume			ASTM D471
23°C, 70 hr, Class C Standard Fuel	3.0	%	ASTM D471
23°C, 70 hr, methanol	17	%	ASTM D471
150°C, 70 hr, in ASTM 105 oil	-1.0	%	ASTM D471
200°C, 70 hr, in Stauffer 7700 liquid	9.0	%	ASTM D471

Additional Information
Nominal Viscosity, ML 1 + 10, 121°C: 25Polymer Fluorine Content: 68.5%

infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China