



Neoprene WD

Sales Specification

Description:

A highly viscosity Neoprene polymer that has superior crystallization resistance. Additives known to affect the cure of other elastomers or that contribute to the discoloration or staining of ordinary finishes are not intentionally added to the polymer. Neoprene WD is designed for general-purpose use in application where high stock viscosity is desirable for processing and where finished products need good low temperature flexibility. Raw polymer stability is excellent. Excessive time and temperature of storage can cause a change in viscosity. The nominal specific gravity at 25/4°C (77/39.2°F) is 1.23.

Form and Color: White to silvery grey chips

Requirements

<u>Property</u>	<u>Limits</u>	<u>Test Method</u>
1. Contamination	In keeping with good rubber practices	N200.2000
2. Volatile Loss, % After milling 6 min. at 50°C (122°F)	1.3 max.	N200.9500
3. Mooney Viscosity ML, 1'+4' at 100°C (212°F)	100 - 120	N200.5700
4. Vulcanization Properties Formulation (mill mix)		N200.2010 (ASTM D 3190-91)
Neoprene	100.0	
Octylated diphenylamine ('Agerite Stalite')	1.0	
Magnesia (high activity grade - 'Maglite D')	4.0	
Zinc oxide ('Kadox 911')	5.0	
75% Active ETU Dispersion ('END-75')	0.47	
Mooney Scorch ML, 120°C (248°F) t5 - Minutes to 5 point rise	4.2 min.	N200.7460 (ASTM D 1646-91)
Moving Die Rheometer (MDR) Properties at 160°C (320°F)		N200.7405 (ASTM D 5289-93a)
Scorch Time (ts1), minutes	0.6 – 2.6	
Optimum Cure Time (t'90), minutes	8.0 - 16.0	
Optimum Cure Torque (Mc90), dN.m.	5.0 – 9.0	

Packaging

Static dissipative inclusion bag containing 25kg (55.125 lbs.) net weight.

Contact Denka at the following location:

Denka Performance Elastomer LLC, 560 Highway 44, LaPlace, LA 70068
Telephone: (985) 233-3080, FAX: (985) 359-4781

The information set forth herein is furnished free of charge and is based on technical data that Denka Performance Elastomer believes to be reliable. It is intended for use by persons having technical skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Because conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any material, evaluation of any compound under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on any patents.

Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, discuss with your Denka Performance Elastomer customer service representative.

Denka Logo is a registered trademark of Denka Company Limited.

