

Greene 965

Acrylonitrile Butadiene Rubber

Greene, Tweed & Co.

Message:

Greene 965 is an Acrylonitrile Butadiene Rubber (NBR) product. It is available in North America.

General Information			
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	78		ASTM D785
Durometer Hardness (Shore A)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction ¹			ASTM D1894
vs. Itself - Dynamic	0.20		
vs. Itself - Static	1.0		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D1414
50% Strain	2.90	MPa	
100% Strain	6.89	MPa	
Tensile Strength (Break)	25.4	MPa	ASTM D1414
Tensile Elongation (Break)	240	%	ASTM D1414
Compression Set			ASTM D395
135°C, 70 hr ²	15	%	
135°C, 70 hr ³	13	%	
135°C, 70 hr ⁴	34	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			ASTM D471
135°C, 70 hr, in MIL-H-5606	-17	%	
135°C, 70 hr, in MIL-H-83282	6.0	%	
Change in Ultimate Elongation			ASTM D471
135°C, 70 hr, in MIL-H-5606	2.0	%	
135°C, 70 hr, in MIL-H-83282	-4.5	%	
Change in Durometer Hardness			ASTM D471
135°C, 70 hr, in MIL-H-5606	-2.0		
135°C, 70 hr, in MIL-H-83282	0.0		
Change in Volume			ASTM D471
135°C, 70 hr, in MIL-H-5606	14	%	
135°C, 70 hr, in MIL-H-83282	5.5	%	

Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	1.8E-5	cm/cm/°C	ASTM E228
Service Temperature	-48 to 81	°C	
Rubber Classification ⁵	HNBR		
Tear Strength - Bie B	48.2	kN/m	ASTM D624
TR 10/50	-26	°C	ASTM D1329

NOTE			
1.	Method C		
2.	in MIL-H-83282 - 25% Deflection		
3.	in MIL-H-5606 - 25% Deflection		
4.	in Air - 25% Deflection		
5.	ASTM D1418		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any 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

