

NANCAR® 1053X26

Acrylonitrile Butadiene Rubber

Nantex Industry Co., Ltd.

Message:

NANCAR® 1053X26 is a medium low acrylonitrile butadiene copolymer with medium oil resistance. It is polymerized at low temperature and contains sufficient antioxidant for normal aging conditions. It has low Mooney viscosity, and has superior processing characteristics.

Suggested usages include applications which require improved low temperature properties. NANCAR® 1053X26 provides excellent extrusions and general processing improvement.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Good Processability		
	Low Viscosity		
	Oil Resistant		
Uses	Low Temperature Applications		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	
Mooney Viscosity (ML 1+4, 100°C)	52	MU	ASTM D1646
Acrylonitrile Content - Bound	26.0	%	Internal Method
Stabilizer	Non-staining		
Heat Loss	0.40	%	ASTM D5688
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A ¹	68		
Shore A ²	67		
Shore A ³	66		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
300% Strain ⁴	9.02	MPa	
300% Strain ⁵	10.2	MPa	
300% Strain ⁶	10.5	MPa	
Tensile Strength			ASTM D412
Yield ⁷	23.9	MPa	
Yield ⁸	23.2	MPa	
Yield ⁹	22.8	MPa	
Tensile Elongation			ASTM D412

Break ¹⁰	560	%	
Break ¹¹	540	%	
Break ¹²	530	%	
Tear Strength	52.0	kN/m	ASTM D624
Compression Set ¹³ (100°C, 70 hr)	49	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ¹⁴ (100°C, 70 hr)	-1.0	%	ASTM D865
Change in Ultimate Elongation in Air ¹⁵ (100°C, 70 hr)	-25	%	ASTM D865
Change in Durometer Hardness in Air ¹⁶ (Shore A, 100°C, 70 hr)	4.0		ASTM D865
Change in Tensile Strength ¹⁷			ASTM D471
100°C, 70 hr, in ASTM #1 Oil	-9.0	%	
100°C, 70 hr, in ASTM #3 Oil	-30	%	
Change in Ultimate Elongation ¹⁸			ASTM D471
100°C, 70 hr, in ASTM #1 Oil	-21	%	
100°C, 70 hr, in ASTM #3 Oil	-16	%	
Change in Durometer Hardness ¹⁹			ASTM D471
Shore A, 100°C, 70 hr, in ASTM #1 Oil	0.0		
Shore A, 100°C, 70 hr, in ASTM #3 Oil	-18		
Change in Volume ²⁰			ASTM D471
100°C, 70 hr, in ASTM Oil #1	2.9	%	
100°C, 70 hr, in ASTM Oil #3	38	%	
NOTE			
1.	Cured for 60.0 min at 150°C		
2.	Cured for 40.0 min at 150°C		
3.	Cured for 20.0 min at 150°C		
4.	Cured for 20.0 min at 150°C		
5.	Cured for 40.0 min at 150°C		
6.	Cured for 60.0 min at 150°C		
7.	Cured for 60.0 min at 150°C		
8.	Cured for 40.0 min at 150°C		
9.	Cured for 20.0 min at 150°C		
10.	Cured for 20.0 min at 150°C		
11.	Cured for 40.0 min at 150°C		
12.	Cured for 60.0 min at 150°C		
13.	Cured for 60.0 min at 150°C		
14.	Cured for 40.0 min at 150°C		
15.	Cured for 40.0 min at 150°C		
16.	Cured for 40.0 min at 150°C		
17.	Cured for 40.0 min at 150°C		
18.	Cured for 40.0 min at 150°C		

19.	Cured for 40.0 min at 150°C
20.	Cured for 40.0 min at 150°C

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

