

NANCAR® 1203LD

Acrylonitrile Butadiene Rubber

Nantex Industry Co., Ltd.

Message:

NANCAR® 1203LD is a fluxed blend of 70 parts NANCAR NBR and 30 parts polyvinyl chloride. This polymer has sufficient stabilizer for normal aging conditions. Its good processability for extrusion provides smooth surface on the resultant products.

NANCAR® 1203LD has excellent resistance to abrasion, ozone, oils and fuels. It is suggested for use in cable jackets, belts, hose covers, shoe soles, shoes and rolls.

General Information			
Additive	Unspecified Stabilizer		
Features	Good Abrasion Resistance		
	Good Processability		
	Good Stability		
	Good Surface Finish		
	Oil Resistant		
	Ozone Resistant		
Uses	Belts/Belt Repair		
	Cable Jacketing		
	Footwear		
	Hose		
	Protective Coverings		
	Rollers		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	66	MU	ASTM D1646
Acrylonitrile Content - Bound	28.0	%	Internal Method
Compression Set - 70 hrs (100°C)	45	%	
Heat Loss	0.30	%	ASTM D5688
Ozone Resistance - 50 pphm X 40°C X 20% 1	no crack		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	72		
Elastomers	Nominal Value	Unit	
Tensile Strength (Yield)	12.7	MPa	
Tensile Elongation (Break)	370	%	
Aging	Nominal Value	Unit	
Change in Tensile Strength in Air (100°C, 70 hr)	3.0	%	

Change in Ultimate Elongation in Air (100°C, 70 hr)	-38	%
Change in Durometer Hardness in Air (100°C, 70 hr)	2.0	
Change in Tensile Strength		
100°C, 70 hr, in ASTM #1 Oil	14	%
100°C, 70 hr, in IRM 903 Oil	12	%
Change in Ultimate Elongation		
100°C, 70 hr, in ASTM #1 Oil	-43	%
100°C, 70 hr, in IRM 903 Oil	-32	%
Change in Durometer Hardness		
Shore A, 100°C, 70 hr, in ASTM #1 Oil	10	
Shore A, 100°C, 70 hr, in IRM 903 Oil	2.0	
Change in Volume		
100°C, 70 hr, in ASTM Oil #1	-12	%
100°C, 70 hr, in IRM 903 Oil	2.0	%

NOTE

1. at 24 hrs, 48 hrs, 72 hrs, 96 hrs, 168 hrs

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

