

NANCAR® 1204D

Acrylonitrile Butadiene Rubber

Nantex Industry Co., Ltd.

Message:

NANCAR® 1204D is a fluxed blend of 100 parts NBR, 60 parts PVC and 120 parts DEHP. This polymer has sufficient stabilizer for normal aging conditions and can be processed with normal mixing procedures. It has good processability for extrusion, providing smooth surfaces on the resultant product. NANCAR® 1204D is excellent in low hardness application and resistance to abrasion, ozone, oil and fuel. It is suggested to be use in low hardness printing plates and rolls.

General Information			
Additive	Unspecified Stabilizer		
Features	Good Abrasion Resistance		
	Good Processability		
	Good Stability		
	Good Surface Finish		
	Low Hardness		
	Oil Resistant		
Uses	Printing Sheet		
	Rollers		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (ML 1+4, 100°C)	29	MU	ASTM D1646
Acrylonitrile Content - Bound	33.0	%	Internal Method
Compression Set - 70 hrs (100°C)	70	%	
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)	68		
Elastomers	Nominal Value	Unit	
Tensile Strength (Yield)	14.3	MPa	
Tensile Elongation (Break)	460	%	
Aging	Nominal Value	Unit	
Change in Tensile Strength in Air (100°C, 70 hr)	-4.0	%	
Change in Ultimate Elongation in Air (100°C, 70 hr)	-24	%	

Change in Durometer Hardness in Air (100°C, 70 hr)	2.0	
Change in Tensile Strength		
100°C, 70 hr, in ASTM #1 Oil	1.0	%
100°C, 70 hr, in IRM 903 Oil	-5.0	%
Change in Ultimate Elongation		
100°C, 70 hr, in ASTM #1 Oil	-54	%
100°C, 70 hr, in IRM 903 Oil	-42	%
Change in Durometer Hardness		
Shore A, 100°C, 70 hr, in ASTM #1 Oil	29	
Shore A, 100°C, 70 hr, in IRM 903 Oil	24	
Change in Volume		
100°C, 70 hr, in ASTM Oil #1	-33	%
100°C, 70 hr, in IRM 903 Oil	-23	%
NOTE		

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

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