

RUBBER FORMULA BA6902



Technical Data Sheet

Highlights

Black nitrile rubber formulation
Nitrosamines and nitrosables free
General purpose buna

Physical Properties

Density	1,34 Mg/m ³	ISO 2781
Hardness	68 Shore A 2"	ISO 868
Hardness	67 Shore A 10"	ISO 868
Hardness	73 Shore M	ASTM 2240
Elastic modulus 100%	5.2 MPa	ISO 37
Rupture strength	20.6 MPa	ISO 37
Elongation at rupture	480 %	ISO 37
Compression set 25%/22h/70°C	19 %	ISO 815
Tension set 50%/100h/50°C	11%	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	2	2		
Toluene	34	34		
Water	1	3		
Water/Ethanol 1:1	3	7		
Ethanol	5	4		
Isopropanol	4	4		
Dimethyl ether (DME)	20	23		
Ethyl acetate	36	36		
Acetone	45	45		
Methylene chloride	72	70		
Perchloro ethylene	12	10		
Petroleum Ether	1	2		
R-134 A	6	5		
Propane / Butane (15/85)	3	2		

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Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	0.9	<1
Ethanol	2.5	<1
Methylene chloride	4.5	1

Regulatory Compliance

Heavy metals (Directive 94/62 CEE and CONEG)
Latex free
Phthalates free
Nitrosamines and nitrosables free (Directive 93/11 CEE and EN 12868)
Substance halogenated free
BSE (Emea/410/01 rev.2)

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