

## RUBBER FORMULA BA7101



### Technical Data Sheet

#### Highlights

Black FDA nitrile rubber formulation

#### Physical Properties

Density	1,28 Mg/m <sup>3</sup>	ISO 2781
Hardness	70 Shore A 2"	ISO 868
Hardness	69 Shore A 10"	ISO 868
Hardness	n.d. Shore M	ASTM 2240
Elastic modulus 100%	7.8 MPa	ISO 37
Rupture strength	17.5 MPa	ISO 37
Elongation at rupture	230 %	ISO 37
Compression set 25%/22h/70°C	4 %	ISO 815
Tension set 50%/100h/50°C	n.d%	

#### Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	3	1		
Toluene	28	29		
Water	1	3		
Water/Ethanol 1:1	3	4		
Ethanol	1	1		
Isopropanol	1	1		
Dimethyl ether (DME)	12	10		
Ethyl acetate	26	29		
Acetone	32	33		
Methylene chloride	52	55		
Perchloro ethylene	10	9		
Petroleum Ether	3	1		
R-134 A	3	1		
Propane / Butane (15/85)	3	0		

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#### Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	3.1	<1
Ethanol	5.9	<1
Methylene chloride	6.8	>1

#### Regulatory Compliance

FDA Title 21, paragraph 177.2600  
Heavy metals ( Directive 94/62 CEE and CONEG)  
Latex free  
Phthalates free  
Substance halogenated free  
BSE ( Emea/410/01 rev.2)

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