

## RUBBER FORMULA KA6712



### Technical Data Sheet

#### Highlights

Black nitrile rubber formulation  
Low extractables  
Swell in alcohol

#### Physical Properties

Density	1,23 Mg/m <sup>3</sup>	ISO 2781
Hardness	66 Shore A 2"	ISO 868
Hardness	65 Shore A 10"	ISO 868
Hardness	71 Shore M	ASTM 2240
Elastic modulus 100%	4.2 MPa	ISO 37
Rupture strength	15.2 MPa	ISO 37
Elongation at rupture	450 %	ISO 37
Compression set 25%/22h/70°C	12 %	ISO 815
Tension set 50%/100h/50°C	5%	

#### Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	4	5	-9	-8
Toluene	44	44	-21	-22
Water	1	2	-2	-2
Water/Ethanol 1:1	2	3	-7	-7
Ethanol	7	5	-12	-9
Isopropanol	5	5	-10	-9
Dimethyl ether (DME)	28	28	-19	-17
Ethyl acetate	39	39	-22	-22
Acetone	43	44	-23	-21
Methylene chloride	71	74	-36	-38
Perchloro ethylene	17	17	-17	-17
Petroleum Ether	3	5		
R-134 A	5	5		
Propane / Butane (15/85)	6	6		

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#### Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	1,2	<1
Ethanol	2,3	<1
Methylene chloride	5,6	1

#### Regulatory Compliance

Heavy metals ( Directive 94/62 CEE and CONEG)  
Latex free  
Phthalates free  
BSE ( Emea/410/01 rev.2)

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