

RUBBER FORMULA KA6812



Technical Data Sheet

Highlights

Black nitrile rubber formulation
Low extractables
Swell in alcohol
Light ozone resistance

Physical Properties

Density	1,24 Mg/m ³	ISO 2781
Hardness	65 Shore A 2"	ISO 868
Hardness	63 Shore A 10"	ISO 868
Hardness	73 Shore M	ASTM 2240
Elastic modulus 100%	3.9 MPa	ISO 37
Rupture strength	14.2 MPa	ISO 37
Elongation at rupture	380 %	ISO 37
Compression set 25%/22h/70°C	12 %	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	5	6	-7	-7
Toluene	43	43	-20	-20
Water	1	2	0	-2
Water/Ethanol 1:1	2	4	-4	-6
Ethanol	5	3	-9	-7
Isopropanol	4	3	-7	-6
Dimethyl ether (DME)	26	27		
Ethyl acetate	38	39	-18	-18
Acetone	41	41	-18	-19
Methylene chloride	70	71	-36	-37
Perchloro ethylene	18	17	-15	-16
Petroleum Ether	3	6	-3	-7
R-134 A	5	4		
Propane / Butane (15/85)	6	5		

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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	7.0	1

Regulatory Compliance

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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