

RUBBER FORMULA KA6101



Technical Data Sheet

Highlights

General purpose black nitrile rubber formulation
Nitrosamines and nitrosables free

Physical Properties

Density	1,28 Mg/m ³	ISO 2781
Hardness	61 Shore A 2"	ISO 868
Hardness	60 Shore A 10"	ISO 868
Hardness	70 Shore M	ASTM D2240
Elastic modulus 100%	4.5 MPa	ISO 37
Rupture strength	18.0 MPa	ISO 37
Elongation at rupture	325 %	ISO 37
Compression set 25%/22h/70°C	11 %	ISO 815
Tension set 50%/100h/50°C	5.2 %	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	4	1	-3	0
Toluene	33	33	-13	-13
Water	1	1	0	-1
Water/Ethanol 1:1	1	1	-2	-2
Ethanol	3	2	-4	-4
Isopropanol	3	2	-3	-2
Dimethyl ether (DME)	21	21		
Ethyl acetate	30	31	-13	-13
Acetone	33	33	-13	-13
Methylene chloride	59	61	-30	-30
Perchloro ethylene	12	11	-10	-9
Petroleum Ether	2	2		
R-134 A	3	3		
Propane / Butane (15/85)	4	1		

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Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	1.6	<1
Ethanol	3.0	<1
Methylene chloride	5.6	<1

Regulatory Compliance

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

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