

RUBBER FORMULA KA6600



Technical Data Sheet

Highlights

Black FDA nitrile rubber formulation
 Swell in alcohol
 Nitrosamines and nitrosables free
 No plasticizer

Physical Properties

Density	1,29 Mg/m ³	ISO 2781
Hardness	66 Shore A 2"	ISO 868
Hardness	65 Shore A 10"	ISO 868
Hardness	73 Shore M	ASTM D2240
Elastic modulus 100%	4.7 MPa	ISO 37
Rupture strength	18.0 MPa	ISO 37
Elongation at rupture	350 %	ISO 37
Compression set 25%/22h/70°C	14 %	ISO 815
Tension set 50%/100h/50°C	7 %	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	3	3	-4	-4
Toluene	34	34	-18	-18
Water	1	1	0	-2
Water/Ethanol 1:1	1	3	-4	-3
Ethanol	4	4	-6	-7
Isopropanol	3	3	-5	-5
Dimethyl ether (DME)	23	21	-15	-18
Ethyl acetate	32	31	-16	-18
Acetone	35	35	-18	-19
Methylene chloride	59	55	-18	-19
Perchloro ethylene	14	14	-13	-14
Petroleum Ether	1	3		
R-134 A	4	4		
Propane / Butane (15/85)	4	3		

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Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	0.3	<1
Ethanol	0.6	<1
Methylene chloride	1.8	1

Regulatory Compliance

FDA Title 21, paragraph 177.2600

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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