

RUBBER FORMULA BA7402



Technical Data Sheet

Highlights

General purpose black nitrile rubber formulation

Physical Properties

Density	1,33 Mg/m ³	ISO 2781
Hardness	71 Shore A 2"	ISO 868
Hardness	69 Shore A 10"	ISO 868
Hardness	76 Shore M	ASTM D2240
Elastic modulus 100%	6.5 MPa	ISO 37
Rupture strength	16.3 MPa	ISO 37
Elongation at rupture	250 %	ISO 37
Compression set 25%/22h/70°C	9 %	ISO 815
Tension set 50%/100h/50°C	4.8 %	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	1	2	-2	-2
Toluene	23	23	-13	-13
Water	1	1	-3	-4
Water/Ethanol 1:1	1	2	-3	-4
Ethanol	3	1	-5	-4
Isopropanol	2	2	-5	-4
Dimethyl ether (DME)	15	16		
Ethyl acetate	24	27	-13	-13
Acetone	29	31	-14	-14
Methylene chloride	52	53	-25	-25
Perchloro ethylene	8	7	-9	-9
Petroleum Ether	0	1		
R-134 A	3	3		
Propane / Butane (15/85)	0	1		

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Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	0.2	<1
Ethanol	1.7	<1
Methylene chloride	5.5	<1

Regulatory Compliance

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

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