

RUBBER FORMULA EA6900



Technical Data Sheet

Highlights

Black FDA EPDM rubber formulation
Nitrosamines and nitrosables free
No plasticizers

Physical Properties

Density	1,08 Mg/m ³	ISO 2781
Hardness	70 Shore A 2"	ISO 868
Hardness	69 Shore A 10"	ISO 868
Hardness	74 Shore M	ASTM D2240
Elastic modulus 100%	6.0 MPa	ISO 37
Rupture strength	15.5 MPa	ISO 37
Elongation at rupture	330 %	ISO 37
Compression set 25%/22h/70°C	9 %	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	40	36	-14	-15
Toluene	40	40	-17	-16
Water	0	0	0	-1
Water/Ethanol 1:1	0	0	-1	-1
Ethanol	0	0	-1	-1
Isopropanol	0	1	-2	-2
Dimethyl ether (DME)	15	14	-13	-14
Ethyl acetate	5	4	-7	-7
Acetone	2	2	-4	-4
Methylene chloride	21	21	-15	-15
Perchloro ethylene	51	51	-18	-18
Petroleum Ether	44	44		
R-134 A	1	1		
Propane / Butane (15/85)	28	30		

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Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	3.1	<1
Ethanol	0.7	<1
Methylene chloride	2.8	<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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