

RUBBER FORMULA B298



Technical Data Sheet

Highlights

General purpose black nitrile rubber formulation
High duro

Physical Properties

Density	1,37 Mg/m ³	ISO 2781
Hardness	79 Shore A 2"	ISO 868
Hardness	78 Shore A 10"	ISO 868
Hardness	85 Shore M	ASTM D2240
Elastic modulus 100%	\ MPa	ISO 37
Rupture strength	13.6 MPa	ISO 37
Elongation at rupture	95 %	ISO 37
Compression set 25%/22h/70°C	6 %	ISO 815
Tension set 50%/100h/50°C	3 %	

Chemical Properties

TEST MEDIUM	THICKNESS SWELL %/23°C		CHANGE OF SHORE M	
	3 days	8 weeks	3 days	8 weeks
Hexane	0	-1	2	5
Toluene	20	21	-10	-11
Water	0	1	-1	-1
Water/Ethanol 1:1	1	0	2	3
Ethanol	-1	-1	1	2
Isopropanol	-1	-1	1	3
Dimethyl ether (DME)	11	11	-12	-13
Ethyl acetate	17	17	-12	-12
Acetone	20	20	-12	-13
Methylene chloride	35	36	-13	-14
Perchloro ethylene	5	5	-6	-8
Petroleum Ether	0	0		
R-134 A	-1	-1		
Propane / Butane (15/85)	0	-1		

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Weight loss & Color

TEST MEDIUM	WEIGHT LOSS % 24h./23°C	COLOR (Gardner)
Hexane	5.6	<1
Ethanol	7.9	<1
Methylene chloride	10.3	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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