

Preliminary Product Information ZOUCHflex - DK

Description	ZOUCHflex DK is a single-sided medium density black blended sponge rubber with closed cells and excellent recovery under pressure. It is based on a polymeric blend of Neoprene and Nitrile compounds and is oil, chemical and acid resistant along with flame retardant to a more vigorous standard.
Application	The product is used in many critical sealing and gasketing applications in virtually every industry. The product will not become brittle or exhibit loss of properties over time and also has a wide temperature range. The material is totally unaffected by harsh chemicals such as petrol, oil, hydraulic fluid, break fluid, alcohol which makes it the ideal choice for the automotive and transportation industry.

Product Properties (Not for specification use)	
carrier	Neoprene/Nitrile polymeric blend
adhesive	solvent acrylic
colour	black, dull grey
liner	paper, white 120 gsm
density	120 kg/m ³
elongation % min.	150
ASTM D 1056-67 & 68 GRADE #	SCE 42
ASTM D 1056-91 & 00 SAE J18-R7/92	2C2
compression deflection @ 25% deflection	5-9 psi
water absorption by weight max. ASTM Method	5% (10% allowed)
temperature resistance: low °F / high °F	-40°F to +250°F
heat ageing: 7 days @ 158°F (CD % max. change)	30
tensile strength (min)	120 psi
Ozone 20% stress: 72 hrs @ 100 PPHM ASTM D1171-94, 1149-91 GM6086M, GM4486P	PASS
oil resistance, fluid immersion E1 (7 days @ 23°C)	PASS
flame resistance GRADE: UL 94 HF1	PASS (UL #E 208679)
flame resistance: CAN/CSA C22.2 # 017-92	PASS (UL #E 208679)
UL.50 -- Standard for safety for enclosures for electrical equipment	PASS UL #JLU2 (MH10200)
UL.157 -- Standard for NFPA 90A installation of A/C and ventilation systems	PASS

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UL 50, UL 157, UL 508, UL 94 HF1 & Canadian listings / CSA C22.2 (017-92)

Product Properties (Not for specification use)	
UL 508 - Standard for safety for industrial control equipment	Neoprene/Nitrile polymeric blend
Chemical resistance:	excellent
oxidation resistance	excellent
aliphatic hydrocarbons	excellent
petroleum (crude)	excellent
natural gas	excellent
gasoline fuel oil	excellent
lubricating oils	excellent
animal/vegetable oils	excellent
water swell	excellent
acid (dilute)	excellent
sodium hydroxides	excellent
chlorinated solvents	excellent
oxygenated solvents	excellent

Processing The most important processing parameters and information on cleaning are listed in our Information on Processing Adhesive Tapes.

Storage and Shelf Life 12 month after receipt of goods, when stored at 18 °C and 60 % relative humidity out of direct sunlight, in original packaging

Special Information

All data and technical information are based on laboratory tests or have been compiled from supplier information to the best of our knowledge. A guarantee that the values are complete and correct can however not be given. You are kindly requested to conduct your own tests to determine the suitability of our product for your applications. Our General Conditions answer any questions on guarantees and liabilities for these products insofar as no other legal regulations apply.

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