

Alusil D Range

MULTIPURPOSE SILICONE FLUIDS

PRODUCT

Silicone fluids odourless and colourless.

Aluchem products and plants have been also **Kosher** certified.

PROPERTIES

Fully water repellent, dielectric, non-toxic, exhibit outstanding properties of resistance to oxidation at high temperatures.

Alusil D fluids, thanks to the very high Viscosity Index, offer a very stable performance in a wide temperature range, ensuring an excellent resistance to ageing.

In organic solvents, like aliphatic and aromatic hydrocarbons, **Alusil D** give rise to a clear dispersion that could be used as release agent for dies of plastic materials.

Added to suitable emulsifiers, **Alusil D** may be used to prepare watery dispersions for production of polishing products.

Alusil D may be easily blended with other fluids of the same nature.

Alusil D 320 registered in Category H1 by NSF INTERNATIONAL (USA) (see website http://www.nsf.org/USDA/Listings.asp?Company=N10201_Reg.N.139908).

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APPLICATIONS

- Die face release agent and may be also blended with solvent or watery emulsion.
- Thermostatic baths and heat transfer at high temperatures.
- Lubrication of rubber-plastic and plastic-plastic connections.
- Maintenance of membranes, washers and other mechanical components subjected to ageing.
- Long-term lubrication of mechanical components operating at high temperatures.
- Lubrication of components of textile industry (ISO VG 100).
- As fluids for damper systems.
- As insulating fluids.
- Waterproofing of surfaces, textiles etc.

PTO

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The data in this product information is based on our general experience and knowledge. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected.

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Technical Data	Method	Unit	Typical Values								
			46	68	100	150	220	320	460	680	1000
ISO VG Grade	ASTM D 2442	-	46	68	100	150	220	320	460	680	1000
Kin. Viscosity at 40°C	ASTM D 445	mm ² /s	41,88	67,02	100,24	149,18	220,04	320,78	459,40	684,82	1006,40
Kin. Viscosity at 100°C	ASTM D 445	mm ² /s	16,25	27,12	42,44	64,32	96,31	136,58	190,12	272,54	379,27
Viscosity Index	ASTM D 2270	-	402	415	427	435	446	450	456	465	472
Specific Gravity at 20°C	ASTM D 1298	g/cm ³	0,970	0,970	0,970	0,970	0,970	0,970	0,970	0,970	0,970
Pour Point [°C]	ASTM D 97	°C	- 57	- 54	- 51	- 51	- 51	- 51	- 51	- 51	- 51
Flash Point C.O.C. [°C]	ASTM D 92	°C	280	290	300	300	305	310	310	315	320
T.A.N. Total Acid number	ASTM D 664	mgKOH/g	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01
Volatiles substances	-	%	< 0,5	< 0,5	< 0,5	< 0,5	< 0,5	< 0,5	< 0,5	< 0,5	< 0,5

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