

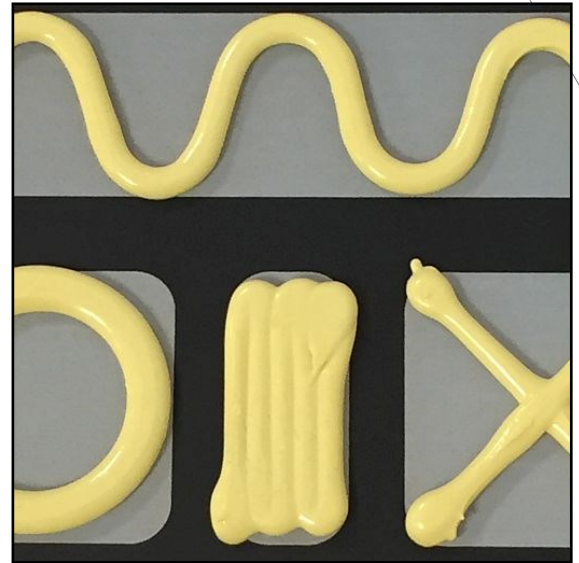
FDC18

THERMAL CONDUCTIVITE CURING LIQUID GAP FILLER

FDC18 is a ceramic filled, solvent free two component silicone elastomer. Room temperature curing makes it suitable for wet in wet production.

This silicone elastomer offers time-saving, easy assembly due to the prefabricated, ready-dispensed components.

FDC18 is available in syringes and containers.



Properties	Unit	FDC18
Base material		Silicone
Color		Yellow
Thermal Properties		
Thermal conductivity	W/mK	1.8 (ASTM D5470)
Operating temperature	°C	-40 to 200

Ordering example:

FDC-18 - 50

F = Filler / D = Dispensable / C = Curing / 18 = 1.8 W/mK / 50 = 50ml dual cartridge

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Base material		Silicone
Color		Yellow
Thermal Properties		
Thermal conductivity	W/mK	1.8 (ASTM D5470)
Operating temperature	°C	-40 to 200
Electrical Properties		
Breakdown voltage	kV	10
Dielectric breakdown	kV/mm	20 (ASTM D149)
Mechanical Properties		
Hardness	Shore 00	45 - 60
Physical Properties		
Density	g/cm ³	2.3
Viscosity	Pas	45 - 70
Total mass loss (TML)	Ma. -%	0.19
Flame rating	UL94	V0
Measured thickness	mm	0.5
Possible thickness	mm	0.2 - 5.0
Shelf life	Months	12

The data presented in this leaflet are in accordance with the present state of our knowledge. All statements, technical information and recommendations herein are based on tests we believe to be reliable. The customer is thereby not absolved from carefully checking all supplies immediately on receipt. The recommendations made in this catalogue should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Before using, user shall determine the suitability of the product for its intended use, and the user assumes all risks and liability whatsoever in connection there with. We reserve the right to alter product constants within the

scope of technical process or new developments. The recommendations do not absolve the customer from the obligation of investigating the possibility of infringement of third parties right and, if necessary, clarifying the position. Sellers' and manufacturer' only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable either in tort or contract for any loss or damage, direct or incidental, or consequential, including loss of profits or revenue arising out of the use or the inability to use a product. No statement, purchase order or recommendations by seller or purchaser not contained herein shall have any force or effect unless in an agreement signed by the officers of the seller