

THERMAL CONDUCTIVITE CURING LIQUID GAP FILLER

FDC18



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

FDC18 offers time-saving, easy assembly due to the prefabricated, ready-dispensed components.

FDC18 is available in syringes and containers.

Properties	Unit	FDC18	Test Method
Base material		Silicone	
Color		Yellow	Visual
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	VO	
Measured thickness	mm	0.5	
Possible thickness	mm	0.5 - 5.0	
Standard packaging	ml	Dual Syringes 50 or 400	
Shelf life	Months	12	

Ordering example:

FDC18-50

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