Techsil 1387 BLACK

Silicone

Techsil Limited

Message:

Techsil 1387 is a fast cure 1-part RTV silicone sealant specially formulated for applications requiring a combination of good adhesion, excellent physical and non-corrosive properties. The Oxime based cure system produces excellent physical properties and good adhesion particularly to plastics and many other substrates. Although not totally neutral the cured sealant is very low corrosive in nature.
Key Features:
Good adhesion to most substrates
Good flow and self levelling properties
Low corrosion

General Information			
Features	Fast Cure		
	Good Adhesion		
	Good Flow		
	Low to No Odor		
	Non-Corrosive		
Uses	Sealants		
Appearance	Black		
Forms	Liquid		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.05	g/cm³	BS 903
Molding Shrinkage - Flow	< 1.0	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	24		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [1] (100% Strain)	0.320	MPa	BS 903
Tensile Strength [2] (Yield)	1.90	MPa	BS 903
Tensile Elongation [3] (Break)	390	%	BS 903
Tear Strength [4]	3.10	kN/m	BS 903
Thermal	**Nominal Value**	**Unit**	
CLTE			
Flow	2.8E-4	cm/cm/°C	
Transverse	8.5E-4	cm/cm/°C	
Thermal Conductivity	0.20	W/m/K	
Service Temperature [5]	-50 to 275	°C	
Tack Free Time [6] (23°C)	13.0	min	
Cure Time [7] (23°C, 3.00 mm)	< 1.0	day	
Extrusion Rate	860	g/min	
Young's Modulus [8]	0.550	MPa	

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Constant (1 MHz)	2.60		ASTM D150
Dissipation Factor (1 MHz)	0.010		ASTM D150
Thermoset	Nominal Value	Unit	
Thermoset Mix Viscosity	23500	cP	
NOTE			
1.	after 7 days cure at 23+/-2°C and 65% relative humidity		
2.	after 7 days cure at 23+/-2°C and 65% relative humidity		
3.	after 7 days cure at 23+/-2°C and 65% relative humidity		
4.	after 7 days cure at 23+/-2°C and 65% relative humidity		
5.	AFS 1540B		
6.	65%RH		
7.	65%RH		
8.	after 7 days cure at 23+/-2°C and 65% relative humidity		

Recommended distributors for this material

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