

Techsil IS808

Silicone

Techsil Limited

Message:

TECHSIL IS808 is a ready-to-use adhesive sealant, which reacts with atmospheric moisture to form a resilient rubber, which remains flexible over a very wide temperature range. TECHSIL IS808 liberates a very small amount of acetic acid during cure which gives rise to the familiar "vinegar" odour, which quickly dissipates after cure. These high specification sealants are ideal for a myriad of engineering applications from production work to fast, effective maintenance and on-the-spot repairs. They are applied directly from the cartridge and cure at room temperature. Under typical ambient conditions they develop a tack free surface in approximately 15 minutes and cure within 24 hours.

Key Features:

- Good Electrical Insulation.
- Resistance to ageing, ozone and corona.
- Resistance to oxidation, oils and chemicals
- Excellent bonding to a wide range of substrates

General Information			
Features	Bondability		
	Electrically Insulating		
	Good Adhesion		
	Good Chemical Resistance		
	Good Flexibility		
	Oil Resistant		
	Oxidation Resistant		
	Ozone Resistant		
	Tack Free		
Uses	Sealants		
Appearance	Translucent		
Forms	Paste		
Physical	Nominal Value	Unit	
Specific Gravity	1.05	g/cm³	
Molding Shrinkage - Flow	0.90	%	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore A)	39		
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	2.32	MPa	
Tensile Elongation ² (Break)	280	%	
Tear Strength ³	5.50	kN/m	BS 903
Thermal	Nominal Value	Unit	
CLTE			
Flow	2.9E-4	cm/cm/°C	
Transverse	8.8E-4	cm/cm/°C	
Thermal Conductivity	0.20	W/m/K	

Service Temperature ⁴	-60 to 250	°C	
Tack Free Time ⁵ (23°C)	4.0	min	
Cure Time ⁶ (23°C, 3.00 mm)	7.0	hr	
Extrusion Rate	304	g/min	
Young's Modulus ⁷	0.650	MPa	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	7.7E+15	ohms	ASTM D257
Volume Resistivity	4.7E+14	ohms·cm	ASTM D257
Dielectric Constant (1 MHz)	3.20		ASTM D150
Dissipation Factor (1 MHz)	1.2E-3		ASTM D150
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.	AFS 1540B
5.	65%RH
6.	65%RH
7.	after 7 days cure at 23+/-2°C and 65% relative humidity

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

