

Techsil 211

Silicone

Techsil Limited

Message:

TECHSIL 211 silicone elastomer is a two component, self-levelling, room temperature curing product. This product is designed for use on electronic assemblies or any other applications that require neutral cure and non-corrosive cure by-products. TECHSIL 211 features excellent flow and self-levelling characteristics. Typical applications include but are not restricted to electronic and electrical potting, casting and simple mould making.

General Information	
Features	High Flow
	Non-Corrosive
Uses	Electrical/Electronic Applications
Appearance	White
Forms	Liquid
Processing Method	Casting
	Potting

Physical	Nominal Value	Unit
Specific Gravity	1.19	g/cm ³
Molding Shrinkage - Flow	0.50	%
Hardness	Nominal Value	Unit
Durometer Hardness (Shore A)	45	
Elastomers	Nominal Value	Unit
Tensile Strength ¹ (Yield)	2.40	MPa
Tensile Elongation ² (Break)	200	%
Tear Strength ³	8.90	kN/m
Thermal	Nominal Value	Unit
Thermal Conductivity	0.24	W/m/K
Electrical	Nominal Value	Unit
Volume Resistivity	3.0E+14	ohms · cm
Dielectric Strength	25	kV/mm
Dielectric Constant (60 Hz)	3.40	
Dissipation Factor (60 Hz)	5.0E-3	
Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (25°C)	7.00 to 10000	cP
NOTE		

1.	3mm sheet cured for 48hrs at RT and 65% RH with 0.5% catalyst
2.	3mm sheet cured for 48hrs at RT and 65% RH with 0.5% catalyst

3.

3mm sheet cured for 48hrs at RT
and 65% RH with 0.5% catalyst

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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

