

# Techsil RTV2410

Silicone

Techsil Limited

## Message:

TECHSIL RTV2410 is a two component room temperature condensation curing silicone compound. The cured product is a relatively soft rubber with a very high elongation. It is suitable for mould making of intricate patterns with fine details, where an easy demoulding is a prerequisite.

### Key Features

No inhibition

Easy degassing

High tear strength

Very high elongation

Easy demoulding

Good chemical resistance to resins (PE-PU-Epoxy)

General Information			
Features	Good Chemical Resistance Good Mold Release Good Tear Strength High Elongation		
Appearance	Light Blue		
Forms	Paste		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm <sup>3</sup>	BS 903
Molding Shrinkage - Flow	0.50	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	11		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	2.30	MPa	BS 903
Tensile Elongation <sup>2</sup> (Break)	600	%	BS 903
Tear Strength <sup>3</sup>	14.0	kN/m	BS 903
Thermal	Nominal Value	Unit	
CLTE			
Flow	2.5E-4	cm/cm/°C	
Transverse	7.5E-4	cm/cm/°C	
Service Temperature <sup>4</sup>	-50 to 200	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257
Thermoset	Nominal Value	Unit	
Pot Life <sup>5</sup> (23°C)	60	min	
Thermoset Mix Viscosity <sup>6</sup>	28000	cP	
Demold Time <sup>7</sup> (23°C)	1400	min	
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.	Brookfield
7.	65%RH

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#### Recommended distributors for this material

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