

Techsil RTV2420

Silicone

Techsil Limited

Message:

This is a two component room temperature condensation curing silicone compound. The cured product is an exceptionally flexible rubber with very high mechanical properties and good shelf life stability. It is suitable for mould making of intricate patterns with extremely good pick up of fine details. Softer grades are better suited for use where there are deep undercuts.

Key Features

High tear strength

High detail pick up

Easy degassing

Good dimensional stability

General Information			
Features	Good Dimensional Stability		
	Good Flexibility		
	Good Tear Strength		
Appearance	Beige		
Forms	Liquid		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	BS 903
Molding Shrinkage - Flow	4.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	22		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	0.930	MPa	BS 903
Tensile Strength ² (Yield)	3.64	MPa	BS 903
Tensile Elongation ³ (Break)	500	%	BS 903
Tear Strength ⁴	26.2	kN/m	BS 903
Thermal	Nominal Value	Unit	
CLTE			
Flow	2.5E-4	cm/cm/°C	
Transverse	7.4E-4	cm/cm/°C	
Service Temperature ⁵	-50 to 200	°C	
Young's Modulus ⁶	1.50	MPa	
Thermoset	Nominal Value	Unit	
Pot Life ⁷	75	min	
Thermoset Mix Viscosity			
-- ⁸	19000	cP	
-- ⁹	25000	cP	
Demold Time ¹⁰	480	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.	after 7 days cure at 23+/-2°C and 65% relative humidity
5.	AFS 1540B
6.	after 7 days cure at 23+/-2°C and 65% relative humidity
7.	measured at 23+/-2°C and 65% relative humidity using standard catalyst
8.	Catalysed, Brookfield
9.	Brookfield
10.	measured at 23+/-2°C and 65% relative humidity using standard catalyst

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