

# Techsil® RTV27941

Silicone Rubber, RTV-2

Techsil Limited

## Message:

Techsil RTV27941 is a translucent high strength two-component, addition cure liquid silicone rubber designed for mould making. Techsil RTV27941 cures at room temperature to a translucent high strength elastic rubber with the addition of cure agent.

### Key Performance Properties

Excellent moulding durability to epoxy resin and polyurethane resins.

Excellent release ability.

Low viscosity.

Excellent tear and tensile strength

Low shrinkage (room temperature cure)

### Applications

Prototype mould making for electronics industry such as TV's, home appliances, mobile phones, copy machines etc

Prototype mould making for the automotive industry such as console boxes, radiator grills, lamp housing etc

General Information		
Features	Low viscosity	
	High tensile strength	
	High strength	
	Good tear strength	
	Durability	
	Room temperature vulcanization	
	Low shrinkage	
Uses	Mold Making	
Appearance	Translucent	
Forms	Liquid	
Physical	Nominal Value	Unit
Density	1.10	g/cm <sup>3</sup>
Molding Shrinkage - Flow	0.10	%
Thermoset	Nominal Value	Unit
Demold Time	1400	min
Uncured Properties	Nominal Value	Unit
Color		
-- 1	Translucent	
-- 2	Translucent	
Mix Ratio by Weight (PBW)		
Part A	10	
Part B	1.0	
Viscosity		
-- 3	1.5	Pa · s
-- 4	45	Pa · s

Curing Time (25°C)	24	hr
Pot Life (23°C)	90	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	41	
Tensile Strength	6.40	MPa
Tensile Elongation at Break	360	%
Tear Strength	20.0	kN/m

NOTE		
1.	Part A	
2.	Part B	
3.	Part B	
4.	Part A	

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