

Techsil PU217

Polyurethane

Techsil Limited

Message:

TECHSIL PU217 is a two-part, room temperature curing polyurethane system, with outstanding abrasion resistance and toughness. Applications include cable jointing, hand held tool handles and abrasion resistant liners.

- Features:
- Non Toxic
 - Outstanding abrasion resistance
 - Excellent tear resistance
 - Medium viscosity
 - UV resistant

General Information			
Features	Good Abrasion Resistance		
	Good Tear Strength		
	Good Toughness		
	Good UV Resistance		
	Medium Viscosity		
	Non-Toxic		
Uses	Abrasion Resistant Liners		
	Cable Jacketing		
	Handles		
Appearance	Natural Color		
Forms	Paste		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
-- ¹	1.06	g/cm ³	
-- ²	1.07	g/cm ³	
-- ³	1.20	g/cm ³	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	78		ASTM D2240
Mechanical	Nominal Value	Unit	
Abrasion Resistance	110	mm ³	
Tear Resistance	50.0	MPa	
Gel Time ⁴ (20°C)	5.0	day	
Operating Temperature	-60 to 130	°C	
Usable Life ⁵ (20°C)	1.5	hr	
Thermoset	Nominal Value	Unit	
Thermoset Components			

Hardener	Mix Ratio by Weight: 1.0, Mix Ratio by Volume: 1.0	
Resin	Mix Ratio by Weight: 9.3, Mix Ratio by Volume: 11	
Thermoset Mix Viscosity		
25°C ⁶	5000	cP
25°C ⁷	800	cP
25°C ⁸	6000 to 8000	cP

NOTE

- | | |
|----|-----------|
| 1. | Resin |
| 2. | Mixed |
| 3. | Hardener |
| 4. | 150g mass |
| 5. | 150g mass |
| 6. | Mixed |
| 7. | Hardener |
| 8. | Resin |

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