

Taiwan PU Corporation TPUCO Polyurethane Sealing Resin

Category : Polymer , Adhesive , Thermoset , Polyurethane, TS

Material Notes:

PU sealing resin is a waterproof, insulated protective film made of quality PU resin. It is used in the prevention of humidity, germs, collision, corrosion, parts loosening, and rusting, and as insulation for PC boards and electrical components. Features: PU material with good waterproof. Low cost, the price is only 1/2 of the price of silicon. Information provided by Taiwan PU Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Taiwan-PU-Corporation-TPUCO-Polyurethane-Sealing-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	Hardener
	1.02 g/cc	1.02 g/cc	Resin
Water Absorption	<= 0.10 %	<= 0.10 %	Weight increase in water
Viscosity	200 cP	200 cP	Resin
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	1050 cP	1050 cP	Hardener
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	22	22	

Thermal Properties	Metric	English	Comments
CTE, linear	0.0174 Åµm/m-Å°C	0.00967 Åµin/in-Å°F	
	@Temperature 23.0 - 40.0 Å°C	@Temperature 73.4 - 104 Å°F	
	0.0220 Åµm/m-Å°C	0.0122 Åµin/in-Å°F	
	@Temperature 23.0 - 125 Å°C	@Temperature 73.4 - 257 Å°F	
Thermal Conductivity	0.176 W/m-K	1.22 BTU-in/hr-ftÅ²-Å°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.20e+13 ohm-cm	3.20e+13 ohm-cm	
	4.05	4.05	

Dielectric Constant Electrical Properties	Metric @Frequency 100000 Hz	English @Frequency 100000 Hz	Comments
Dielectric Strength	16.3 kV/mm	415 kV/in	
Dissipation Factor	0.030 @Frequency 100000 Hz	0.030 @Frequency 100000 Hz	

Processing Properties	Metric	English	Comments
Drying Temperature	23.0 Å°C	73.4 Å°F	
	80.0 Å°C	176 Å°F	
Dry Time	0.33 hour	0.33 hour	
	3 hour	3 hour	

Descriptive Properties	Value	Comments
Color	Transparent	
Impact Endurability	-55-105Å°C	
Mixing Ratio	1:1	
Time Available	20 minutes	

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