

Loctite® 3143 Deep Potting Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Encapsulant , Unreinforced , Epoxy , Thermally Conductive

Material Notes:

PottersLoctite® Potting materials are used on electronic device housings to enhance mechanical strength, provide electrical insulation and enhance vibration and shock resistance of assemblies. For electronics assembly, Loctite offers deep potting, high adhesion, non-corrosive, and thermally conductive potting products. These can be cured with heat, UV light, or moisture. Loctite® 3143 Deep Potting EpoxyA heat cure soft epoxy for deep potting applications that require low shrinkage, thermal stability and environmental resistance. Cure Type: Heat
Bonding Type: 2 part epoxy

Order this product through the following link:

http://www.lookpolymers.com/polymer_Loctite-3143-Deep-Potting-Epoxy.php

Physical Properties	Metric	English	Comments
Viscosity	1800 cP	1800 cP	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	15	15	
Hardness, Shore OO	64	64	

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	38.9 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Glass Transition Temp, Tg	-27.0 °C	-16.6 °F	

Processing Properties	Metric	English	Comments
Cure Time	180 min	3.00 hour	
	@Temperature 80.0 °C	@Temperature 176 °F	
Pot Life	30.0 min	30.0 min	
	@Temperature 80.0 °C	@Temperature 176 °F	
Gel Time	90.0 min	90.0 min	at 80°C

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