

Master Bond EP29LPSP Low Outgassing, Optically Clear Two Component Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

Master Bond Polymer System EP29LPSP is a two component, high performance, modified low temperature heat cured epoxy system specially formulated for cryogenic applications. EP29LPSP is serviceable at temperatures as low as 4K as an adhesive, sealant and protective coating, but more importantly, it is able to withstand cryogenic shocks (i.e. room temperature down to liquid helium temperatures in a 5-10 minute time period).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Master-Bond-EP29LPSP-Low-Outgassing-Optically-Clear-Two-Component-Epoxy.php

Physical Properties	Metric	English	Comments
Viscosity	700 cP	700 cP	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	
Minimum Service Temperature, Air	-269 °C	-453 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Cure Time	480 - 720 min	8.00 - 12.0 hour	
	@Temperature 65.6 °C	@Temperature 150 °F	
	7200 - 10100 min	120 - 168 hour	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Descriptive Properties	Value	Comments
Color Code	"A" Clear; "B" Translucent	
Mix Ratio By Weight	100/65	
Set-Up Time, minutes	min 360	At Room Temperature

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