

Vivid Cure 76011
SINGLE COMPONENT DUAL CURE UV ADHESIVE/ENCAPSULANT
TECHNICAL DATA
September 2014
Product Description

Fast Curing urethane acrylate system for adhesion to difficult to bond plastics. In addition to the UV cure this material has a secondary moisture cure mechanism to ensure cure in areas shadowed in UV light. Has excellent resistance to moisture and maintains flexibility at low temperatures.

APPLICATIONS	FEATURES	SUBSTRATES	PACKAGING
<ul style="list-style-type: none"> • Electronics • Encapsulation • Potting 	<ul style="list-style-type: none"> • Shadow area cure • UV and visible light cure • Low temperature flexibility • Moisture resistance 	<ul style="list-style-type: none"> • Plastics • Nylon • Delrin 	<ul style="list-style-type: none"> • Syringes • Cartridges

TYPICAL PROPERTIES OF UNCURED MATERIAL		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Acrylated Urethane	N/A
Appearance	Blue	N/A
Soluble in	Organic Solvents	N/A
Specific Gravity	1.06	TFTEST002
Viscosity @ 25°C	40,000-60,000	TFTEST001
TYPICAL PROPERTIES OF CURED MATERIAL		
Property	Value	Test Method
Durometer Hardness, Shore D	50	TFTEST012
Elongation, %	70	N/A
Operating Temperature Range,	-50 to 120	N/A
PROCESSING		
Property	Value	Test Method
Minimum Intensity, mw/cm2	200	N/A
Spectral Output, Nm	300-400	N/A
Gel Time at 1w/cm2, sec	3-5	N/A
Optimum Wavelengths, Nm	365,400,415	N/A

SHELF LIFE, STORAGE
18 ± 10° 3 Months DOM
THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

Resin Designs, LLC makes no express or implied warranties of merchantability, fitness or otherwise with respect to this product. In addition, while the information contained herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the results to be obtained from the use thereof. The properties given are typical values and are not intended for use in preparing specifications. User should make their own test to determine the suitability of this product for their own purposes.