

**NEXUS™ 71141**

**UV CURE ADHESIVE FOR PET POLYESTER**

**TECHNICAL DATA** **July 2014**

**Product Description**

Adhesive for bonding PET/RPET. A non-sag paste, fast curing and flexible urethane acrylate that bonds well to engineered plastics and metal based substrates.

APPLICATIONS	FEATURES	SUBSTRATES	PACKAGING
<ul style="list-style-type: none"> <li>• PET Clamshell Bond</li> <li>• Plastic Bonding</li> </ul>	<ul style="list-style-type: none"> <li>• RoHS Compliant</li> <li>• Fast UV Cure</li> <li>• PET Bonding</li> </ul>	<ul style="list-style-type: none"> <li>• Polyethylene terephthalate PE</li> <li>• Metals</li> <li>• Plastics</li> </ul>	<ul style="list-style-type: none"> <li>• Syringes</li> </ul>

TYPICAL PROPERTIES OF UNCURED MATERIAL	
Property	Value
Chemical Class	UV Acrylate
Appearance	Translucent
Viscosity, 10 RPM, cps	3,800
Viscosity, 100 RPM, cps	1,820
Specific Gravity	1.02
TYPICAL PROPERTIES OF CURED MATERIAL	
Property	Value
Glass Transition Temperature (Tg), °C	-50
Lap Shear Strength, Al/Al, PSI	-
Hardness, Shore	D45
Ultimate Tensile Strength, PSI	-
Elongation at Break, %	-
Young's Modulus (20°C), PSI	-
Volume Resistivity, Ω-cm	-

\*All properties indicate typical values which are not meant to be used for preparing specifications.

PROCESSING	
Work Life	
Cure Options	UV cure @ 200 mW/cm <sup>2</sup> minimum. 365, 405 nm recommended.
Clean-Up Solvent	Isopropyl Alcohol

**SHELF LIFE, STORAGE**

**18 ± 10°C 1 Year 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.