Resin Designs, LLC

OTX UV-M-120HV

UV PEELABLE MASK

TECHNICAL DATA

Product Description

OTX UV-M-120HV is a non sag viscosity, fast curing urethane acrylate that provides selective release from bonded or coated substrates. This product exhibits excellent moisture resistance. OTX UV-M-120HV requires direct UV exposure during cure. Because of the variability of different UV light sources it is suggested that the user test and specify UV intensity and exposure time. Low intensity UV light sources (200 mw/cm^2) may require as much as a 10 second exposure time.

APPLICATIONS	FEATURES	RECOMMENDED SUBSTRATES	
	• One part system	• Various	
	• Fast cure		
	• Moisture resistant		

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Composition	Acrylated Urethane	N/A
Appearance	Clear	N/A
Specific Gravity	1.02	TFTEST001
Viscosity	Non sag	N/A

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Hardness, Shore D	40	TFTEST012
Elongation at Break, %	250	N/A
Operating Temperature Range, C	-40 to 120	N/A

UV LIGHT CURE DATA*		
Property	Value	Test Method
Minimum Intensity, mw/cm^2	200	N/A
Spectral Output, nm	300 to 400	N/A
Optimum Wavelength, nm	365	N/A

Storage:

Store material in cool, dry location at a temperature between 10˚C to 28˚C. Keep from freezing. Material is sensitive to UV and visible light. Refer to packaging specific quote for shelf life information. Consult MSDS for safe handling recommendations.

Revision Number: 4   Date: 30 August, 2012