

STAR Technology

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PUR2120

Polyurethane Reactive Hot-Melt Adhesive

DESCRIPTION

PUR2120 is a reactive hot melt moisture cure urethane adhesive used in structural applications, such as lamination of wood, wood products, metal, honeycombs structures and EPS. The low viscosity and moderate open time of **PUR2120** make this a versatile adhesive for use in many applications. **PUR2120** was formulated as a 100% solids product to replace solvent based contact adhesives to provide complete elimination of VOC.

Data contained herein are believed to be reliable. Fit-for-use testing should be conducted by each user.

CLEAN UP

For cleaning of equipment any uncured material, NMP (N-Methyl Pyrrolidinone) or DBE (Dibasic Ester) are recommended. To remove cured materials, the use of chemical stripper such as Methylene Chloride is suggested.

TYPICAL PROPERTIES (cured 7 Days at 77° F)

	<u>TEST METHOD</u>	<u>VALUE</u>
Lap Shear [CRS to CRS] (psi):	ASTM D1002	>1500
Tensile Strength (psi):	ASTM D638	3700
Tensile Modulus (psi):		13000
Elongation (%):		800
Product:		
Viscosity (cps):	ASTM D2393	15,000 Cps @ 77°C
Color:		White (Solid) Amber (Liquid)

PRODUCT NOTES

PUR2120 is formulated for application at a temperature of 77°C. Cure is affected by reacting with ambient moisture in the air and in the substrates. No open time is required, lamination can be assembled once adhesive is applied to clean, dry substrates free from any grease, oil, wax or other surface contaminants. Recommended bond line is 3 to 5 mils.

As with all moisture cure urethane products, the adhesive must be stored under anhydrous conditions.

To the best of our knowledge, the information contained herein is accurate. However, STAR TECHNOLOGY, Inc., does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. The information contained herein is considered typical properties and is not intended to be used as specifications for our products. This information is offered solely to assist purchaser in selecting the appropriate products for purchaser's own testing. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein and in the material safety data sheet, we cannot guarantee that these are the only hazards that exist. Repeated and prolonged exposure to epoxy resins can cause sensitization or other allergic responses.