

## DESCRIPTION

**U-793** is a urethane resin functionalized with a methacrylate and an epoxy. The cured resin yields a tough hydrophobic polymer. The hybrid nature of the monomer allows for varying cure mechanisms to be incorporated into a formulation. The resin can act as an adhesion promoter to various substrates.

## HIGHLIGHTS

• Excellent toughener	• Flexible
• Hydrophobic	• Adhesion promoter
• Dual cure mechanism	• Good thermal stability

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	METHOD	RESULT
Appearance at Room Temperature	Visual	Viscous brown liquid
Viscosity @ 25°C (typical)	Haake Rheometer	4,300 cps
Density		1.0 g/cc
Flash Point	Closed Cup	> 176°C
Functionality		2
Molecular Weight		793
Weight Loss @ 300°C	TGA	11%
Decomposition Temperature	TGA	> 280°C
Recommended Storage Temp		10°C or below

*Data is for reference only and may vary depending on testing method used.*

## RECOMMENDED FORMULATION USE:

**U-793** is recommended for use as an adhesion promoter. At 5-15% levels, it can significantly increase the adhesion to polyimide surfaces as well as metal surfaces. **U-793** can be used in hybrid chemical systems where toughness is critical.

## CONTACT:

### REQUEST A SAMPLE OR PLACE AN ORDER

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