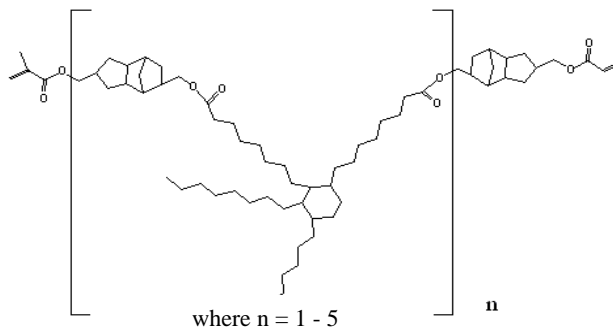


TECH DATA SHEET

PEAM-1769



10080 Willow Creek Road
San Diego, CA 92131
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DESCRIPTION

PEAM-1769 is a polyester acrylate/methacrylate that exhibits excellent adhesion, low warpage, and hydrophobicity. The oligomer has very high thermal stability and low volatility. It can be used as a base oligomer in a formulation or an additive.

HIGHLIGHTS

• Ultra low modulus	• Thermal stability
• Hydrophobic	• Adhesion to metals
• High adhesion to various substrates	• Flexibilizer

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	METHOD	RESULT
Appearance at Room Temperature	Visual	Amber liquid
Viscosity @ 25°C (typical)	Haake Rheometer	20,000 cps
Functionality		2
Molecular Weight		1769
Weight Loss @ 300°C	TGA	< 3.0%
Decomposition Temperature	TGA	> 375°C
Recommended Storage Temp		10°C or below
PHYSIOCHEMICAL (POSTCURE)		
Glass Transition Temperature cured with 2% Dicumyl Peroxide	TMA	-40°C
	DMA	-10°C
Coefficient of Thermal Expansion cured with 2% Dicumyl Peroxide	TMA	α_1 110 ppm/°C
		α_2 250 ppm/°C
Dynamic Tensile Modulus Cured with 2% Dicumyl Peroxide	Rheometrics Rheometer	-65°C 1,300 MPa
		25°C 48 MPa
		150°C 1 MPa

Data is for reference only and may vary depending on testing method used. The structure shown above is an idealized representation of a statistical distribution.

RECOMMENDED FORMULATION USE:

PEAM-1769 is recommended for use as a base resin or an additive to reduce stress. It has excellent adhesion on most substrates with low stress and low shrinkage due to its high Tg polycyclic repeat units. The oligomer has good solubility in both aliphatic and aromatic solvents and monomers.

CONTACT:

REQUEST A SAMPLE OR PLACE AN ORDER

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REF: DMI Part Number: R1144

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