

DMI-3850

DESCRIPTION

DMI-3850 is a proprietary, UV-curable adhesive specially designed for space applications with a need for low/no VOC content and virtually no outgassing. DMI-3850 contains no photoinitiators or polymerization inhibitors that can contribute to weight loss issues.

In its cured state DMI-3850 is a soft and rubber-like solid and is suitable for a number of applications.

HIGHLIGHTS

- Clear and colorless to light yellow
- UV curable
- Suitable for low stress applications
- Low VOC content

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	METHOD	RESULT
Appearance at Room Temperature	Visual	Clear and colorless to light yellow viscous liquid
Viscosity @ 60°C (typical)	Haake Rheometer	45 kcP
Weight loss @ 200°C (typical – neat)	TGA	< 0.2 %
Flash Point	Closed Cup	> 200°C
Recommended Storage Temp		Room Temperature

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

RECOMMENDED FORMULATION USE:

DMI-3850 is recommended for use as an adhesive in applications demanding low VOC and outgassing (e.g. space). DMI-3850 is self-reactive and does not require the use of a photoinitiator for UV curing. The amount of UV energy required to fully cure the material must be determined by the customer.

Since the curing rate of DMI-3850 is slower than typical photoinitiator-cured materials it is suggested that curing take place in an air inhibited environment (e.g. inert gas atmosphere, between glass plates, etc.)

CONTACT:

REQUEST A SAMPLE OR PLACE AN ORDER

Customer Support

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REF: DMI Part Number: R1429