XRD nano

UV REPLICATION SYSTEMS
FOR NANO & MICRO STRUCTURES

XRD/TCM

Single-Part UV-Curing Aliphatic Acrylate

Technical Data Sheet
July 2022

Description

- XRD/TCM Single Component UV-Curing Aliphatic Acrylate

Characteristics of Resin	Value	Unit
Appearance	Clear Liquid	Visual
Viscosity (25°C)	10-50	mPa.s

Processing

Curing with UV LED 395nm, 30W/cm², light distance = 50mm, 2-3 seconds exposure time.

Bulk Materials - Part Numbers	
Available Upon Request	

Resin can be supplied in 5kg, 25kg and 200ltr drums and fully evacuated and ready for use.

Storage and Shelf Life

12 months at 25°C Bulk packaging.

XRD/TCM

Care should be taken to not expose XRD/TCM to high temperature conditions, direct sunlight, ignition sources, oxidizing agents, alkalis or acids. This may cause uncontrollable polymerization of the product with the generation of heat. XRD/TCM should be stored in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Procedures that remove or displace oxygen from the material should be avoided. Do not store this material under an oxygen free atmosphere. Dry air is recommended to displace material removed from the containers. Wash thoroughly after handling. Keep container tightly closed. Use with adequate ventilation. Please see MSDS for XRD/TCM for recommended storage temperature range.

Health and Safety

Please refer to XRD/TCM Health and Safety data or our Technical Service Department for individual/specific advice.

Copyright & Warranty

The results and information above do not constitute a specification and is given in good faith and without warranty. The information is derived from test/or extrapolations believed to be reliable and is quoted for guidance only. The product is offered for evaluation on the understanding the customer satisfies himself that the product is suitable for the intended application by proper evaluation and testing.

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