



3DM-HTR140

Photopolymer resin for high temperature resistance applications

The 3DM-HTR140 resin is a high temperature resistant material which support an heat deflection temperature of 140°C.

This resin was developed to withstand heat and pressure of vulcanizing models in rubber without any loss of dimensional stability.

These specificities makes the 3DM-HTR140 material ideal for various applications requiring high toughness and high heat temperature resistance.

This resin was designed for high temperature resistant parts which are ideal for RTV silicone molding and many other specific applications.

Suitable for :

RTV silicone moulding,
Automotive & Aerospace
SLA, DLP and LCD systems

Your benefits :

High temperature resistant material
High toughness
Heat deflection temperature of 140°C
Excellent surface finish

MECHANICAL PROPERTIES

Tensile Modulus	ISO 527-2/93	2200-2500 MPa
Tensile Strength	ISO 527-2/93	45-50 MPa
Elongation @ Break	ISO 527-2/93	4-6 %
Flexural Modulus	ISO 178/01	3000-3200 MPa
Flexural Strength	ISO 178/01	90-100 MPa
IZOD Notched	ASTM D256	15-20 J/m
HDT @ 0.45 MPa	ISO75-2/04	140-150°C
Hardness (Shore D)	ISO 868	84-86

RESIN PROPERTIES

Aspect		green opaque
Viscosity	@ 25°C	200-250 mPa.s
Density	@ 25°C	1.18 g/cm3
