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TOHMIDE 390

TOHMIDE 390 is a solid-type fatty polyamide resin especially designed for HOT-MELT STRUCTURAL ADHESIVE uses.

It has superior processing properties for its ready-to-apply nature due to the lower molten viscosity. Optimum application temperature of TOHMIDE 390 is in the range of 190°C~220°C.

TOHMIDE 390 shows excellent adhesion onto various types of plastics, and steel, as well as onto many other surfaces, giving very tough bonding and sealing strength.

TOHMIDE 390 may be applied either by hand or manually operated "hand-guns." An automatic dispensing equipment with a nozzle or a wheel applicator may also be benefited.

1. SALES SPECIFICATIONS OF TOHMIDE 390

Appearance	: Brown Pellets
Softening Point (°C)	: 180 ± 5°C
Viscosity (mPa·s/200°C)	: 200 ~ 400
Colour (Gardner)	: 12 Max.

2. SOLUBILITY

Solvent	Mixing Ratio(*)	TOHMIDE 390	Result (**)
Methanol / Toluene	1 / 1	25%	S
Isopropanol / Toluene	1 / 1	15%	S
Methanol / Chloroform	1 / 3	25%	S

* : Mixing Ratio in Weight ** : S means Stable more than one week

3. COMPATIBILITY (1)

Plasticizer	Concentration of plasticizer (% in weight)		
	10%	15%	25%
Phosphoric ester	C	C	C
Epoxidized fatty-acid ester	C	C	H
Rosin ester	C	C	C

COMPATIBILITY (2)

Plasticizer	Concentration of plasticizer (% in weight)		
	20%	50%	80%
Rosin	C	C	C
Ester gum	C	C	C
Rosin modified maleic resin	C	C	C
Phenol	C	C	C
Ethylene Vinyl Acetate	I	I	H

C : Compatible SH : Slight Turbid H : Turbid I : not Compatible

