

# ▶ NOVARAD® RC 24110

## Product description

UV-curable acrylic prepolymer. After curing the pressure sensitive adhesive combines very soft and low peel adhesion properties with excellent shear- and heat-resistance. Low odor and excellent ageing behavior.

## Suggested use

Removable filmic and paper labels or other self-adherent applications up to 80 g/m<sup>2</sup> coating weight, where high temperature resistance is demanded.

## FDA-Status

Meets composition requirements of indirect food additives regulation FDA 21-CFR-175.105 „Adhesives“.

## Skin irritation

Raw materials show no skin irritation according to OECD Test 404.

## Application advice

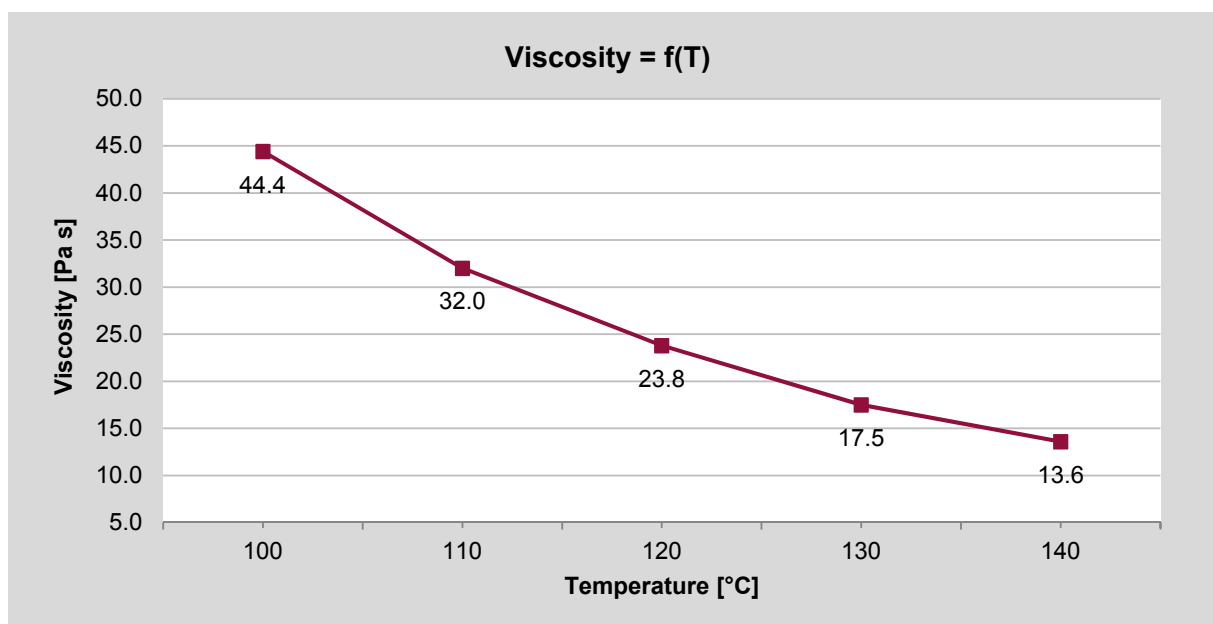
The product can be coated with roller and slot die coaters at application temperatures varying between 100 °C and 130 °C. Only UV-curing possible. Medium pressure Hg-lamps suggested. No inert gas required during crosslinking. Dose control recommended.

## Physical properties

Softening point (ASTM D36): semiliquid

Appearance: slightly yellow; transparent high viscose mass

Viscosity (D= 92.7 s<sup>-1</sup>; Anton Paar MCR 300):



# ▶ NOVARAD® RC 24110

## Pressure sensitive properties of a 25 g/m<sup>2</sup>-coating on 23 µm polyester film:

### Curing parameter

Medium pressure Hg-bulb: Spectral, 240 W/cm  
 UV-C dose (250 to 260 nm): approx. 50 mJ/cm<sup>2</sup>

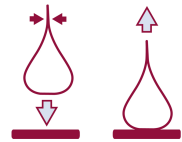
### 180° Peel adhesion to steel (FTM 1)

after 20 min: 2.5 – 3.5 N/inch  
 after 24 h: 2.5 – 3.5 N/inch



### Loop Tack on glass (FTM 9)

4 – 6 N/inch



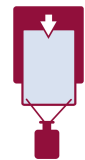
### Rolling Ball (PSTC 6)

4 – 6 cm



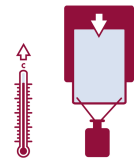
### Shear adhesion to steel (FTM 8)

23 °C: > 24 h with 1 kg/inch<sup>2</sup>  
 40 °C: 4.9 h with 1 kg/inch<sup>2</sup>  
 70 °C: 0.7 h with 1 kg/inch<sup>2</sup>



### Shear adhesion failure temperature on steel (SAFT)

0.5 °C/min; 0.5 kg/inch<sup>2</sup>: approx 81 °C



## Packaging

18 kg steel hobbocks, 190 kg steel drums, 900 kg IBC-container

## Shelf life and storage

The product can be stored one year – starting from production date – in its original package under clean and dry conditions and protected from direct sunlight. Average storing temperature is suggested to be 25 °C or below. Storage temperature should not exceed 40 °C.

v1.0\_09/11\_DS (replaces all previous versions)

**Novamelt GmbH**, Öflinger Straße 120, D-79664 Wehr  
 T +49 7762 70 85-0, F +49 7762 70 85-48, E [info@novamelt.de](mailto:info@novamelt.de), I [www.novamelt.com](http://www.novamelt.com)

2/2

The information presented in this leaflet is based on our present level of technical knowledge and experience and reflects averages. Due to the abundance of possible influences during the use and application of our products this information does not relieve the user of conducting his own tests and experiments. No legally binding guarantee of certain features or of the suitability for any particular purpose can be deducted from it. Possible patent rights and existing laws and regulations must be observed by the user as his own responsibility. Technical modifications reserved.