

LOCTITE 3623

September 2017

PRODUCT DESCRIPTION

LOCTITE 3623 provides the following product characteristics:

Technology	Acrylate
Appearance	Translucent liquid
Cure	UV Cure
Application	Device assembly, Primer

LOCTITE 3623 one part, UV curable adhesive is designed for wire protection coating in headphone assembly manufacturing.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity, HAAKE PK1, 2° Cone @ 25 °C, ± 0.5°C, mPa·s (cP):

@ Shear rate of 20 s⁻¹ 18,680

TYPICAL CURING PERFORMANCE

Typical UV Cure Condition(s)

CTV, cured 30 seconds @ 100 mW/cm², mm 2.5

Tack Free Time, 100 mW/cm², seconds 15

Fixture Time, 6 mW/cm², seconds 10

Depth of Cure

Sample tested using Uvaloc 1000, 3.1
irradiance 100 mW/cm²,
exposure time 30 seconds

The above cure profile is a guideline recommendation. Cure rate and ultimate depth of cure depend on light intensity, spectral distribution of light source, exposure time and the light transmittance of the substrate.

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties

Hardness, Shore D 72.5

GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

Conversions

(°C x 1.8) + 32 = °F

kV/mm x 25.4 = V/mil

mm / 25.4 = inches

N x 0.225 = lb

N/mm x 5.71 = lb/in

psi x 145 = N/mm²

MPa = N/mm²

N·m x 8.851 = lb·in

N·m x 0.738 = lb·ft

N·mm x 0.142 = oz·in

mPa·s = cP

Disclaimer

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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Reference 1