LOXEAL ENGINEERING ADHESIVES
UNI EN ISO 9001 - UNI EN ISO 14001
Registered Quality and Environment Management System Company

Technical Data Sheet

LOXEAL UV 3354

Description

Form in place gasket and seals by irradiation with low-intensity UV lamps.
It provides a flexible and soft film.
Forms gaskets with high resistance to compression, fixes and seals pre-assembled components on their outside surface, encapsulates small parts.
It is well suitable for creating seals and bondings of no coplanar surfaces, as well on surfaces with critical coefficients of thermal expansion.

Physical properties

Chemical type :	acrylic ester
Colour :	transparent
Specific weight (g/ml) :	1,10
Viscosity (+25°C - mPa s) :	10.000 - 20.000 thixo
UV curing time (365 nm) : (UV lamp of 3,5 mW/cm^2)	3 - 5 seconds

Shelf life : 12 months at +25°C in original unopened packaging

Curing properties

To obtain the best features, clean and dry parts to bond. The polymerization depends on the UV lamp radiation, on the distance from the lamp, on the thickness of the adhesive applied, on the light permeability of the pieces to bond and on geometry of the joint.
We recommend to use UV lights able to produce UV waves between 365 nm and 420 nm at 100mW/cm².
We recommend to cool the area irradiated with UV lamp while using thermoplastic materials.
Curing times may vary according to adhesive depth.

Properties of cured adhesive

*Tensile strength (DIN 53504) :	3 - 5 N/mm²
*Elongation at break (DIN 53504) :	130 - 170 %
* Refractive index :	1,484
* Light transmittance :	> 98%
*Hardness (Shore D) :	50 - 60
*Temperature range :	-55°C/+150°C

Storage

Keep product in a cool and dry room at +5°/+25°C. To avoid contaminations do not refill containers with used product. For more information on applications, storage and handling contact Loxeal Technical Service.

Safety and handling

Consult Material Safety Data Sheet before use.

Note

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