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:: UNIFLEX Glas HM

high modulus non-conductive direct glazing adhesive

DESCRIPTION

Uniflex Glas HM is an excellent non-sag, one component, flexible and high modulus polyurethane adhesive that cures on exposure to atmospheric moisture to form a tough, durable adhesive.

It is ideal for direct glazing on vehicles where High Modulus and Non Conductive properties are required.

Uniflex Glas HM combines a High Modulus properties which provides the extra strength required to maintain torsion rigidity, and its insulating properties, allowing the correct bonding to glass incorporating radio antenna or additional electrical equipment.

APPLICATION

This product is used in combination with CARSYSTEM Uniflex Glas Fast-Cleaner and CS Uniflex Glas Fast-Primer for the direct bonding of automotive glass to the vehicle body.

ADVANTAGES

- Suitable for cold and warm application
- High Modulus – maintains torsion rigidity and increases the vehicles NVH values
- Capable of withstanding high dynamic stresses
- Vibration and sound damping properties
- Non Conductive – electrical insulation properties



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PRODUCT DATA

Chemical basis: Polyurethane
Cure mechanism: Moisture curing
Specific weight: 1.32 g/cm³
Tack free time at 23°C and 50% r.h.: approx. 10-15 min.
Curing at 23°C and 50% r.h.: ≥ 3mm/24h
Hardness Shore A (DIN 53505): approx. 60
G-modulus @ 10%: ca. 2.3 MPa
Tensile strength (DIN 53504): 8.6 N/mm²
Elongation at break (DIN 53504): ≥ 350%
Electrical volume resistivity: 10¹⁰ Ohm cm
Environmental application temperature: +5°C to +40°C
Temperature resistance: -40°C / +100°C with brief points at 140°C
Processing time: 6 – 8 minutes

PRECAUTIONS

Uniflex Glas HM can be stored for 12 months in its original packing at 10° - 25°C in a cool dry place.
The storage temperature should not exceed 25°C for extended periods of time.
Keep away from heat sources.

DRIVE AWAY INFORMATION

- Drive Away Time: 30 minutes (23°C and 50% Relative Humidity)
- On vehicle glas weight below both driver & passenger airbags
- Vehicle Glas weight below 35kg. Glas weight above 35kg contact Technical Department



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Uniflex Glas HM meets Federal Motor Vehicle Safety Standards and all long term durability requirements according to the full range of Carsystem laboratory and Crash Test Data

SAFETY ISSUES

The before mentioned technical data and information, especially the recommendations for applying and using our products, are based on our current knowledge and experience when applied under normal conditions. In practice, the materials, surfaces or site conditions are so different that no warranty regarding the working results or liability, arising out of any relationship, can be inferred neither from this information nor from a verbal consultation, except we are charged with intent or gross negligence. In this case the user is obliged to prove that he has informed us about all points required for a proper and promising judgement in writing, in time and completely. Patent rights of any third party are to be observed. Furthermore, our general sales and delivery Terms and Conditions and the latest Technical Data Sheet, which should be demanded, apply.

Directions for handling and waste disposal are in our Security Safety Data Sheet and the specifications of the Employers Liability Insurance Association for the chemical industry.

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