

TEROSON PU 9161 AF

November 2016

Technical Data Sheet

PRODUCT DESCRIPTION

Technology	2-Component, Polyurethane
Product Type	Flexible Foam
Additional Information	Anti-flutter, noise reduction

TEROSON PU 9161 AF is a 2-component flexible foam which cures at room temperature. TEROSON PU 9161 AF can be painted with standard commercial car repair refinishing paints. The product is supplied in a convenient twin cartridge.

Application Areas:

TEROSON PU 9161 AF flexible foam is used to reduce vibration on metal components by isolating the outer sheet from the inner reinforcements resulting in a reduction of the NVH [noise, vibration, harshness] of the vehicle.

Applications include door skins to intrusion bars, turrets to roof bows, bonnet and boot skins to frames and around the fuel filler apertures.

The uncured material has excellent sag resistance and foams to a closed cell with 100% memory.

TECHNICAL DATA

(Typical Test Results)

COMPONENT A

Colour	dark-grey
Density	approx. 1.03 g/ml

COMPONENT B

Colour	yellowish
Density	approx. 1.09 g/ml

Mixing ratio A : B

by volume 1 : 1

MIXTURE (Component A + B)

Colour	grey
Density, g/cm ³	approx. 0.2 g/ml
Foaming starting time	30 to 35 sec. (23°C, 50 rh)
Expansion Volume	approx. 300 %
Skin formation time	60 to 90 sec. (23°C, 50 rh)
Full expansion time	2 min.
Tack free time	5 to 10 min.
Full cure (23°C, 50% rh)	approx. 10-15 min
Paintability	after 5 min. up to 72 h

PRELIMINARY STATEMENT

Prior to use it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

DIRECTIONS OF USE

Pretreatment:

The parts to be bonded must be free from oil, grease, moisture, dirt and release agents.

Application:

Protect any areas from accidental contact.

Insert cartridge into a suitable dispensing gun and remove cartridge cap.

Dispense a small amount of product to level the plungers.

Attach mixing nozzle and cut end to desired bead size.

Discard the first 2 cm of extruded adhesive bead.

Dispense material between the relevant surfaces.

If material is left in the cartridge, remove the mixing nozzle immediately to avoid migration of the foam back into the cartridge.

Discard the application nozzle and place the cap onto the cartridge for a later use.

Curing:

Curing and foaming occurs at room temperature, by mixing of both components with a static mixer. If you are working in a cold environment, please warm up the material to room temperature before use (approx. 23°C).

Cleaning:

Freshly applied and uncured material should be removed with a dry cloth and then cleaned off with a suitable solvent.

Cured foam can only be removed mechanically.

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

Hazards identification
Transport information
Regulatory information

Storage:

Frost sensitive	no
Recommended storage temperature	10 to 25 °C
Shelf life	12 months in original packaging

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. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

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Reference 0.1