

Loctite® PC 5085™Known as Loctite® 5085™
September 2016**PRODUCT DESCRIPTION**

Loctite® PC 5085™ provides the following product characteristics:

Technology	Multi-axial, multi-ply fabric
Chemical Type	Glass-Carbon Complex
Appearance	Black and white
Cure	Not applicable
Application	Industrial maintenance

Loctite® PC 5085™ is used in combination with Loctite® PC 7210 or Loctite® PC 7211, an epoxy resin, as a composite repair system to repair and protect metal pipes and tanks in the petroleum, petrochemical and natural gas industry. It can be used to repair damaged and corroded parts where high strength is required, together with corrosion protection and chemical resistance. Typical applications include sealing and repairing cracked tanks, pipes, pipe joints and reinforcing tanks, joints and elbows.

ISO 24817 - Composite Repairs for Pipework - Qualification and Design, Installation, Testing and Inspection

The standard gives requirements and recommendations for the qualification and design, installation, testing and inspection for the external application of composite repairs to corroded or damaged pipework used in the petroleum, petrochemical and natural gas industries. The composite repair system consisting of Loctite® PC 7210 or Loctite® PC 7211, Loctite® PC 5085, and Loctite® PC 5090 is certified according to ISO 24817.

Note: Please contact your local Technical Service Center for more information and clarification.

TYPICAL PROPERTIES

Width, mm	127 or 300.5
Length, m	30
Area Weight, g/m²	636

CONSTRUCTION

0°	Carbon / Glass
90°	Carbon / Glass
Base Layer	Glass

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

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

Handling Information

Reinforcement textiles are sensitive in dry, non-impregnated conditions and must be handled with care:

- Store and handle textiles in a dry location
- Do not fold the textiles
- Do not bend the textiles to small radii
- Do not walk or place objects on textiles
- Protect against contamination

Directions for use:

See Technical Data Sheet of Loctite® PC 7210

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.

Storage

Store product in the unopened container in a dry location. Material removed from containers may be contaminated during use. Do not return liquid to original container. Storage information may be indicated on the product container labeling.

Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.

Henkel cannot assume responsibility for product which has been contaminated or stored under conditions other than those recommended. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$

$\text{kV/mm} \times 25.4 = \text{V/mil}$

$\text{mm} / 25.4 = \text{inches}$

$\mu\text{m} / 25.4 = \text{mil}$

$\text{N} \times 0.225 = \text{lb}$

$\text{N/mm} \times 5.71 = \text{lb/in}$

$\text{N/mm}^2 \times 145 = \text{psi}$

$\text{MPa} \times 145 = \text{psi}$

$\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$

$\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$

$\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$

$\text{mPa}\cdot\text{s} = \text{cP}$

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 0.2