# PEARLSTICK® 48-60/08

## Linear Thermoplastic Polyurethane

**PEARLSTICK® 48-60/08** is an elastic, linear, aromatic polyurethane with a very high crystallization rate and a low-medium thermoplasticity level.

## PRODUCT SPECIFICATIONS

| | | |
|---|---|---|
| ***Supply form*** | ***: White or slightly yellowish pellets*** *(The mentioned colour difference does not affect the quality of the adhesive)* | |
| ***Viscosity @ 20ºC*** *(Brookfield RVF sp.3, 20 rpm solution at 15% in MEK)* | ***: 600 - 1100 mPa.s*** | *(MQSA Nº 40 A)* |

## PRODUCT CHARACTERISTICS

| | |
|---|---|
| Density @ 20ºC | : Approx. 1.19 g/cm$^3$. |
| Hydroxyl number | : Approx. 0.1 % |
| Heat Resistance | : Excellent |
| Freezing Resistance | : Very good |
| Minimum Activation Temperature | : Approx. 60 ºC. |

## SOLUBILITY

**PEARLSTICK® 48-60/08** is soluble in Acetone, MEK, Cyclohexanone, Dimethyl formamide, Tetrahydrofurane (THF). Diluting solvents such as Toluene and Ethyl Acetate can be added.
The solvents and diluents should be water-free (max. 0.1 %), so as to avoid subsequent side reactions during crosslinking with isocyanates.

## SOLUTIONS

**PEARLSTICK® 48-60/08** gives transparent solutions. It they should be dissolved in closed tanks and the use of high shear equipments is advisable.
The final viscosity figures can vary, depending on the stirring process and on the solvent/diluents ratios.

Please see our technical sheet on "**Process for obtaining solutions based on PEARLSTICK®**".



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## APPLICATIONS

**PEARLSTICK® 48-60/08** is used for the production of adhesives for plasticized PVC to plasticized PVC or other materials such as leather, textiles, rubber, etc.

**PEARLSTICK® 48-60/08** enables the production of adhesives with high solids content and low viscosity, which are intended for spray application in the automotive industry and with high performances in the green-strength of the joints and temperature resistance.

The addition of a polyfunctional isocyanate improves the heat-resistance and the strength of the joints.

## HEALTH AND SAFETY

A safety data sheet on **PEARLSTICK® 48-60/08** is available, with all safety information. When solutions are prepared, the usual safety practices in the handling of chemicals should be observed, i.e.: good ventilation in the working area, good skin protection and protective goggles.

## PACKAGING

PE bags containing 25 kg (net weight).
Pallets of 750 kg (net weight).

## STORAGE

**PEARLSTICK® 48-60/08** should be stored in a **cool (15-25ºC) and dry place,** for periods that should not exceed 6 months, in well-closed packaging.



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