PEARLSTICK® 45-40/15

Linear Thermoplastic Polyurethane

PEARLSTICK® 45-40/15 is an elastic, linear, aromatic polyurethane with a very high crystallization rate and a medium thermoplasticity level.

PRODUCT SPECIFICATIONS

Supply form	***: White or slightly yellowish pellets without talcum or any other antiadherents in the formulation.*** *(The mentioned colour differences do not affect the quality of the adhesive)*	
Viscosity @ 20ºC *(Brookfield RVF sp.2, 20 rpm solution at 15% in MEK)*	***: 1300 - 1700 mPa.s***	*(MQSA Nº 40 A)*

PRODUCT CHARACTERISTICS

Density @ 20ºC	: Approx. 1.19 g/cm^3.
Hydroxyl number	: Approx. 0.1 %
Hydrolysis Resistance	: Good
Minimum Activation Temperature	: Approx. 45 ºC.

SOLUBILITY

PEARLSTICK® 45-40/15 is soluble in acetone, methyl ethyl ketone (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® 45-40/15 should be dissolved in closed tanks, and the use of a variable speed agitator 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®"**.

All information and advice are provided without warranty including in the case of the rights of third parties, the client being at all times responsible for testing the products and for their application, use and processing. All products are sold subject to Merquinsa General Terms of Business.

Under the provisions of Spain Constitutional Law 15/1999 of December 13, on Personal Data Protection, Merquinsa is the Controller of a data base containing your data. We will use such data for the purposes of providing you the information you have requested, replying your enquiries and maintaining our business relationship with you. Besides, we inform you that you can exercise your rights of access, rectification or erasure, and right to object by making a written request to our address or by electronic mail to info@merquinsa.com

Gran Vial, 17 08160 Montmeló, Spain Tel. (34) 93 572 11 00 Fax (34) 93 572 09 34
E-mail: info@merquinsa.com http://www.merquinsa.com
Registered in Barcelona Trade Register under Tax Identification Number B08530305, volume 31186, folio 106, page B-30777, entry 12.

ISO 9001 CERTIFICATED FIRM
ISO 14001 CERTIFICATED FIRM
Responsible Care®

APPLICATIONS

PEARLSTICK® 45-40/15 is used for the production of adhesives for bonding plasticized PVC to plasticized PVC or other materials such as leather, textiles, rubber, in the shoe industry.

PEARLSTICK® 45-40/15 has good resistance to temperature, although the addition of a polyfunctional isocyanate improves the heat-resistance still further.

HEALTH AND SAFETY

A safety data sheet on **PEARLSTICK® 45-40/15** 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 kgs. n.w.
Pallets of 750 kgs. n.w.

STORAGE

PEARLSTICK® 45-40/15 should be stored in a **cool (15-25ºC) and dry place,** for periods that should not exceed 6 months, in well-closed packaging.

All information and advice are provided without warranty including in the case of the rights of third parties, the client being at all times responsible for testing the products and for their application, use and processing. All products are sold subject to Merquinsa General Terms of Business.

Under the provisions of Spain Constitutional Law 15/1999 of December 13, on Personal Data Protection, Merquinsa is the Controller of a data base containing your data. We will use such data for the purposes of providing you the information you have requested, replying your enquiries and maintaining our business relationship with you. Besides, we inform you that you can exercise your rights of access, rectification or erasure, and right to object by making a written request to our address or by electronic mail to info@merquinsa.com

Gran Vial, 17 08160 Montmeló, Spain Tel. (34) 93 572 11 00 Fax (34) 93 572 09 34
E-mail: info@merquinsa.com http://www.merquinsa.com
Registered in Barcelona Trade Register under Tax Identification Number B08530305, volume 31186, folio 106, page B-30777, entry 12.

ISO 9001 CERTIFICATED FIRM
ISO 14001 CERTIFICATED FIRM
Responsible Care®