Version 2 (31.03.20)

1045PP
LOW FREE TDI MONOMER POLYURETHANE PRE-POLYMER

PRODUCT DESCRIPTION

1045PP pre-polymer is a high performance, TDI based polyurethane pre-polymer with a low free monomer content.

TYPICAL APPLICATIONS

1045PP can be used in various sealing and coating applications both in one and two pack products, and is particularly suitable for use in the manufacture of one component, moisture curable, flexible, seamless membrane coatings. Other applications include joint fillers, pipe coatings and binding for cork, rubber, foam etc.

STORAGE, HANDLING AND PERSONAL PROTECTION

The recommendations in our Safety Data Sheet for this product must be followed at all times. More general information is included in our publication "A Guide to the Safe Handling of Polyurethane Chemicals". Shelf Life 6 months.

CHARACTERISTICS

As supplied the product has the following typical characteristics:

Appearance	Straw coloured liquid
Viscosity mPas @ 25°C	5,000 - 20,000
Density @ 20°C	1.05
NCO Content %	3.2-3.6
Free Monomer (TDI) %	<1
Solids Content %	98 min
Flash Point °C (Abel Closed Cup)	>100
Boiling Point ℃	>200
Vapour Pressure mm Hg @ 25°C	<0.01
Vapour Density (Air = 1)	>1
Evaporation Rate (BuAc = 1)	<0.1
Solubility	Good in most common PU grade solvents*

*Polyurethane grade solvents by definition must have a low content of active hydrogens, therefore alcohols and amines etc are not suitable along with other solvents containing > 0.05% water.

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