



Prepolymer

MPA-221

MPA-221 is polyether based MDI prepolymer with 1.9% free NCO. The composition mole ratio between MDI to polyol is approximately 2:1, which theoretically makes prepolymer with molecular structure having a long polyol chain sandwiched by two NCO groups. The theoretical functionality of MPA-221 is very close to 2.0. This makes MPA-221 a good prepolymer to modify full-prepolymer systems and moisture cure systems to yield softer films. The polyether polyol used in this formulation is more apolar, and it has good affinity to a wide range of prepolymer species and good moisture permeation for moisture-cure adhesives and coatings. The viscosity of MPA-221 can be reduced to the range easier to process by heating.

Typical Physical Properties

Specific Gravity:	1.043
Viscosity:	40,000 cps @77 °F 10,000 cps @ 100 °F
% NCO:	1.9
Amine Equivalents:	2206
Appearance at 77 °F:	Clear With slight Yellow Tint, Viscous Liquid

Health and Safety Information

We have prepared Safety Data Sheets and Product Labels that provide health and safety information intended to aid in the safe use of this prepolymer. Before using or handling this product each person must read and become familiar with the available information on its hazards and proper use and handling procedures. For more

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