

NEUTHANE 3500

MDI - Prepolymer for Acid Resistant Rotational Cast Systems

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NEUTHANE 3500 is a low %NCO MDI based prepolymer which can be used for rotational cast roller coverings when cured with CA3100AR polyol /amines blends. The prepolymer is typically used to obtain systems of 75-85 Shore A hardness.

- good physical properties
- very high level of hydrolysis resistance
- low water vapour transmission

Processing

- Melt prepolymer at 50-70°C for 12-24 hours
- Heat the prepolymer and curative to the recommended temperature
- Ensure that the curative is thoroughly mixed prior to use (the storage tank on the machine should be fitted with agitation to prevent separation during use)
- Degas to remove air
- Dispense at 700-2000g per minute*
- Adjust rotation and traverse speed until a smooth build up is achieved*
- Cure as recommended

* This will vary depending upon diameter of roller. As a general guide the output rate, rotational and traverse speeds will all increase as the diameter of the roller increases

NEUTHANE GRADE		3500
%NCO (mid-point)	%	6.0
Colour		Cream - White
Viscosity @ 100°C	cPs	550
Specific Gravity	g / cm ³	1.10

Data above represents typical physical properties. Since conditions of use are beyond our control, no warranty is given or implied in respect of any recommendations or suggestions made by ourselves, nor is freedom from patent infringement inferred.