

## Polyurethane Specialty Products Group

# VERSATHANE® A-88QM

## TDI-Polyester Prepolymer

### Prepolymer Properties

		Specifications	Typical
NCO (%)		3.5 - 3.8	3.7
Viscosity (cPs)	- 70 °C	≤ 4,700	3,400 - 4,700
	- 100 °C	-	~ 1,800
Specific Gravity	- 100 °C	-	1.17
Appearance		-	White, Waxy Solid
Residual TDI (%)		< 0.7	< 0.5

### Processing Conditions

Stoichiometry (%)	95
Versathane Temperature (°C)	95
MBOCA Temperature (°C)	110 - 115
Mold Temperature (°C)	100
Pot Life (Min.) – 100 °C	5
Demold Time (Min.)	60
Post Cure (Hrs./Temp. °C)	16/100

### Typical Elastomer Properties (MBOCA Cured)

Stoichiometry (%)	95
MBOCA Level (PPH)	11.4
Hardness (A)	88
Modulus psi (MPa)	
100% Elongation	1,000 (6.9)
300% Elongation	1,700 (11.7)
Tensile Strength psi (MPa)	5,700 (39.3)
Elongation (%)	540
Tear Resistance PLI (N/mm)	
Die C	460 (81)
Split	130 (23)
Compression Set (%), Method B:	
25% deflection, 22 hrs. at 70°C	29
Rebound (%)	34
Linear Shrinkage	1.0
NBS Abrasion Index	140
Specific Gravity	1.26



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## ***To Order or Obtain More Information***

If you would like to place an order or receive additional information, please write or call Air Products at the following location.

### **Corporate Headquarters**

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