

## Polyurethane Specialty Products Group

# AIRTHANE® PST-85A

## TDI-Polyester Prepolymer

### Prepolymer Properties

		Typical
NCO (%)		3.6
Viscosity (cPs)	- 50 °C	6,200 - 7,400
	- 70 °C	1,700 - 2,200
Specific Gravity	- 70 °C	1.15
Residual TDI (%)		< 0.1%

### Processing Conditions

MBOCA Level, 95% Stoichiometry (%)	11.2
Airthane Temperature (°C)	85
Pot Life (Min.) - 85 °C	8
Mold Temperature (°C)	100
Demold Time (Min.)	30
Post Cure (Hrs./Temp. °C)	15/100

### Typical Elastomer Properties (MBOCA Cured)

Hardness (A)	85
Modulus psi (MPa)	
100% Elongation	1,000 (6.9)
200% Elongation	1,200 (8.3)
300% Elongation	1,800 (12.4)
Tensile Strength psi (MPa)	7,800 (53.8)
Elongation (%)	580
Tear Resistance PLI (N/mm)	
Die C	570 (100)
Split	125 (22)
Compression Set (%), Method B:	
25% deflection, 22 hrs at 70 °C	30
Rebound (%)	36
NBS Abrasion Index (%)	170
Specific Gravity	1.26
Flex Life (Ross, Cycles)	1MM+



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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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