

Polyurethane Specialty Products Group

AIRTHANE® PST-95A

TDI-Polyester Prepolymer

Prepolymer Properties

		Typical
NCO (%)		5.1
Viscosity (cPs)	- 50 °C	6,100 - 7,000
	- 70 °C	1,600 - 1,900
Residual TDI (%)		< 0.1

Processing Conditions

Stoichiometry (%)	95
Airthane Temperature (°C)	85
MBOCA Temperature (°C)	125
Mold Temperature (°C)	100
Pot Life (Min.) – 85 °C	3 - 4
Post Cure (Hrs./Temp. °C)	16/100

Typical Elastomer Properties (MBOCA Cured)

Hardness	
Shore A	95
Shore D	50
Tensile Modulus psi (MPa)	
100% Modulus	1,500 (10.3)
300% Modulus	2,200 (15.2)
Ultimate Tensile psi (MPa)	9,000 (62.1)
Elongation (%)	650
Rebound (%)	36
Tear Resistance PLI (N/mm)	
Die C	650 (114)
Split Tear	190 (33)
Compression Set (%), Method B:	
25% deflection, 22 hr at 70°C	35



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.

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