

Polyurethane Specialty Products Group

AIRTHANE® PET-85A

TDI-Polyether Prepolymer

Prepolymer Properties

		Typical
NCO (%)		3.4
Viscosity (cPs)	- 40 °C	4,300 - 4,800
	- 70 °C	1,000 - 1,200
Specific Gravity	- 70 °C	0.99
Residual TDI (%)		< 0.1

Processing Conditions

MBOCA Level, 95% Stoichiometry (%)	10
Airthane Temperature (°C)	85
Pot Life (Min.) - 75 °C	30
Mold Temperature (°C)	100
Demold Time (Min.)	60
Post Cure (Hrs./Temp. °C)	15/100

Typical Elastomer Properties (MBOCA Cured)

Hardness (A)	85
Modulus psi (MPa)	
100% Elongation	800 (5.5)
300% Elongation	1,300 (9.0)
Tensile Strength psi (MPa)	3,200 (22.1)
Elongation (%)	540
Tear Resistance PLI (N/mm)	
Die C	340 (60)
Split	40 (7)
Compression Set (%), Method B:	
25% deflection, 22 hrs at 70 °C	22
Rebound (%)	62
Specific Gravity	1.06

***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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