

## Polyurethane Specialty Products Group

# AIRTHANE® PPT-75D

## TDI-PPG Prepolymer

### Prepolymer Properties

		Specifications	Typical
NCO (%)		8.2 - 8.7	8.4
Viscosity (cPs)	- 40 °C	-	6,500 - 8,500
	- 70 °C	≤ 1,000	550 - 750
Specific Gravity	- 70 °C	-	1.09
Residual TDI (%)		< 0.1	-

### Processing Conditions

MBOCA Level, 95% Stoichiometry (%)	25.3
Airthane Temperature (°C)	70
Pot Life (Min.) - 70 °C	3
Post Cure (Hrs./Temp. °C)	15/100

### Typical Elastomer Properties (MBOCA Cured)

Hardness (D)	75
Modulus psi (MPa)	
100% Elongation	4,500 (31.0)
200% Elongation	6,500 (44.8)
Tensile Strength psi (MPa)	7,700 (53.1)
Elongation (%)	240
Tear Resistance PLI (N/mm)	
Die C	850 (149)
Split	95 (17)
Compression Set (%), Method A:	
1,350 psi (9.3 MPa), 22 hrs at 70 °C	2.4
Rebound (%)	58
NBS Abrasion Index	182
Ross Flex (Cycles)	11,000
Linear Shrinkage (%)	0.4
Linear Coefficient of Thermal Expansion (μM/M/°C)	
- 75 °C to - 40 °C	60.9
- 30 °C to 10 °C	120.6
25 °C to 100 °C	127.2
Specific Gravity	1.16



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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.

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