

## Polyurethane Specialty Products Group

# AIRTHANE® PHP-75D

## TDI-Polyether Prepolymer

### Prepolymer Properties

		Specifications	Typical
NCO (%)		8.8 - 9.3	9.1
Viscosity (cPs)	- 40 °C	-	3,300 - 3,600
	- 70 °C	≤ 700	400 - 600
Specific Gravity	- 70 °C	-	1.08
Residual TDI (%)		< 0.1	-

### Processing Conditions

MBOCA Level, 95% Stoichiometry (%)	26.8
Airthane Temperature (°C)	70
Pot Life (Min.) - 75 °C	3.0
Mold Temperature (°C)	100
Demold Time (Min.)	10
Post Cure (Hrs./Temp. °C)	15/100

### Typical Elastomer Properties (MBOCA Cured)

Hardness (D)	75
Modulus psi (MPa)	
100% Elongation	4,600 (31.7)
200% Elongation	6,100 (42.1)
Tensile Strength psi (MPa)	8,500 (58.6)
Elongation (%)	280
Tear Resistance PLI (N/mm)	
Die C	1,000 (175)
Split	120 (21)
Compression Set (%), Method A:	
1,350 psi (9.3 MPa), 22 hrs at 70 °C	2.5
Rebound (%)	64
NBS Abrasion Index	420
Specific Gravity	1.19



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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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