

Polyurethane Specialty Products Group

AIRTHANE® PPT-95A

TDI-PPG Prepolymer

Prepolymer Properties

		Specifications	Typical
NCO (%)		6.05 - 6.55	6.3
Viscosity (cPs)	- 40 °C	-	2,100 - 2,600
	- 70 °C	≤ 400	250 - 400
Specific Gravity	- 70 °C	-	1.06
Residual TDI (%)		< 0.1	-

Processing Conditions

MBOCA Level, 95% Stoichiometry (%)	18.6
Airthane Temperature (°C)	70
Pot Life (Min.) - 75 °C	10
Mold Temperature (°C)	100
Demold Time (Min.)	30
Post Cure (Hrs./Temp. °C)	15/100

Typical Elastomer Properties (MBOCA Cured)

Hardness (A)	95
Modulus psi (MPa)	
100% Elongation	1,800 (12.4)
200% Elongation	2,600 (17.9)
300% Elongation	4,200 (29.0)
Tensile Strength psi (MPa)	6,000 (41.4)
Elongation (%)	360
Tear Resistance PLI (N/mm)	
Die C	400 (70)
Split	90 (16)
Compression Set (%), Method B:	
25% deflection, 22 hrs at 70 °C	38
Rebound (%)	40
Brittleness Temperature (°C)	- 50
Specific Gravity	1.15
Linear Shrinkage (%)	1.2
Linear Coefficient of Thermal (μM/M/°C)	232.8
Expansion at 25 °C	
Electrical Properties	
Breakdown Voltage (KV)	47.6
Dielectric Strength V/mil (KV/mm)	388
Dielectric Constant at 1,000 Hz	5.22
Volume Resistivity (Ohms-Cm)	2.6 X 10 ¹³
Power Factor	0.0648



*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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