



# Por-A-Thane<sup>TM</sup>

## E70DT

**Por-A-Thane E-70DT-** is a polyether-based TDI terminated prepolymer which yields a 75 Shore D hardness when cured with 4,4'-methylenebis-(ortho-chloroaniline).

**CHARACTERISTICS-** low viscosity and when cured with 4,4' methylene-bis (ortho-chloroaniline) has:

- Very high modulus and tensile
- Low coefficient of friction
- Good machinability
- High heat – distortion temperature
- Excellent humidity resistance
- Good impact strength

### **PREPOLYMER CHARACTERISTICS**

Appearance	Clear Viscous Liquid
NCO Content	9.25 –9.65
Viscosity at 212° F	150 –350cps
Specific Gravity @ 75° F (24°C)	1.12
Specific Gravity @ 200°F (93°C)	1.07

### **PROPERTIES OF CURED ELASTOMER**

Curative	MBOCA
Durometer Hardness, Shore D	75
Modulus, PSI	
100%	5000 (34.5)
Ultimate Tensile, PSI	8000 (55.1)
Elongation, %	215
Split tear, D-470, pli	120
Resilience, Bashore, %	35%
Compression Set, Method B	55%
22 hrs @158°F (70°C)	



## **PROCESSING**

Curative	MBOCA
Processing Temperature	130°-150°F (54°-66°C)
Pot Life	90 Seconds
Demold Time	15 Minutes
Post Cure Time/ Temperature	16 Hours 121°-230°F (100°-110°C)

To maximum pot life, Por-A-Thane E-70DT should run at 130°F (52°C) and at 85% theory. These conditions also minimize shrinkage. Post curing at 212°-230°F (100°-110°C) alleviates glassiness.

## **ATTENTION:**

**When using any chemical, the following safety precautions must be followed:**

**Use only in WELL VENTILATED areas. Avoid contact with skin. Wear CHEMICALLY RESISTANT RUBBER GLOVES, RUBBER APRON and SAFETY GLASSES. If swallowed, or in the event of contact with eyes, IMMEDIATE MEDICAL ATTENTION is advised. Read MATERIAL SAFETY DATA SHEET.**