

# Tool-A-Thane UT-10

Polyurethane  
Urethane Tooling & Engineering Corp

Message:

10% Deflection for optimum life  
Hardness 60 Shore D  
High abrasion and wear resistance  
Good machinability  
High loadbearing capacity  
Special forming applications.

General Information			
Features	Good Abrasion Resistance		
	Good Wear Resistance		
	Machinable		
Uses	Molds/Dies/Tools		
Physical	Nominal Value	Unit	
Specific Gravity	1.09	g/cm <sup>3</sup>	
Molding Shrinkage - Flow	1.7	%	
Hardness	Nominal Value	Unit	
Durometer Hardness			
Shore A	98		
Shore D	62		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction <sup>1</sup> (vs. Steel - Dynamic)	0.30		
Abrasion Resistance - NBS Index	375		
Graves Tear	148.9	kN/m	
Bayshore Resistance - NBS Index	55.0		
Penetration Depth - Recommended for optimum life	10	%	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			
100% Strain	17.2	MPa	
300% Strain	46.2	MPa	
Tensile Strength	50.0	MPa	
Tensile Elongation (Break)	350	%	
Tear Strength (Split)	22	kN/m	ASTM D470
Compression Set <sup>2</sup> (70°C, 22 hr)	42	%	
Thermal	Nominal Value	Unit	
Brittleness Temperature	-67.8	°C	

## NOTE

- |    |                          |
|----|--------------------------|
| 1. | at 20 lbs load at 52 fpm |
| 2. | Method B                 |

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## Recommended distributors for this material

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