

Tool-A-Thane UT-405

Polyurethane
Urethane Tooling & Engineering Corp

Message:

Hardness 45 Shore A
Limited special applications

General Information			
Uses	Molds/Dies/Tools		
Physical	Nominal Value	Unit	
Specific Gravity	1.22	g/cm ³	
Molding Shrinkage - Flow	1.5	%	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore A)	45		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction ¹ (vs. Steel - Dynamic)	> 0.80		
Abrasion Resistance - NBS Index	< 50.0		
Graves Tear	37.7	kN/m	
Penetration Depth - Recommended for optimum life	40	%	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			
100% Strain	1.97	MPa	
300% Strain	4.62	MPa	
Tensile Strength	27.6	MPa	
Tensile Elongation (Break)	400	%	
Tear Strength (Split)	2.6	kN/m	ASTM D470
Thermal	Nominal Value	Unit	
Brittleness Temperature	-67.8	°C	
NOTE			
1.	at 20 lbs load at 52 fpm		

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