

Tool-A-Thane UT-305

Polyurethane
Urethane Tooling & Engineering Corp

Message:

Hardness 35 Shore A
Limited special applications

General Information			
Uses	Molds/Dies/Tools		
Physical	Nominal Value	Unit	
Specific Gravity	1.21	g/cm ³	
Molding Shrinkage - Flow	1.4	%	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore A)	35		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction ¹ (vs. Steel - Dynamic)	> 0.80		
Abrasion Resistance - NBS Index	< 50.0		
Graves Tear	7.5	kN/m	
Penetration Depth - Recommended for optimum life	40	%	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			
100% Strain	0.290	MPa	
300% Strain	0.414	MPa	
Tensile Elongation (Break)	> 800	%	
Tear Strength (Split)	1.1	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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