

Ad-Tech Urethanes UC-4765-1

Polyurethane Thermoset Elastomer

Ad-Tech Plastic Systems Corp.

Message:

Polyether Based

General Information			
Features	Good Abrasion Resistance		
	Good Impact Resistance		
	Good Toughness		
	Good Wear Resistance		
	Medium Viscosity		
Uses	Gears		
	Liners		
	Machine/Mechanical Parts		
Appearance	Amber		
Forms	Liquid		
Processing Method	Casting		
	Encapsulating		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.15	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.18	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Tensile Elongation (Yield)	280	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	206	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 40		
Resin	Mix Ratio by Weight: 100		
Pot Life (25°C)	10	min	
Shelf Life (24°C)	26	wk	
Thermoset Mix Viscosity (25°C)	4000	cP	ASTM D2393
Demold Time			

25°C	4300 to 7200	min
66°C	960	min

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