

# Ad-Tech Urethanes UC-4635-1

Polyurethane Thermoset Elastomer

Ad-Tech Plastic Systems Corp.

Message:

Polyether Based

General Information			
Features	General Purpose		
	Good Toughness		
	Low Shrinkage		
	Low Viscosity		
Uses	Molds/Dies/Tools		
	Seals		
Appearance	Amber		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Apparent Density	1.03	g/cm <sup>3</sup>	ASTM D1895
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3.38	MPa	ASTM D638
Tensile Elongation (Yield)	800	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	14.9	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Weight: 90		
Pot Life (25°C)	30	min	
Shelf Life (24°C)	26	wk	
Thermoset Mix Viscosity (25°C)	850	cP	ASTM D2393
Demold Time			
25°C	7200 to 10000	min	
66°C	720	min	

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