

Ad-Tech Urethanes UC-4685-1

Polyurethane Thermoset Elastomer

Ad-Tech Plastic Systems Corp.

Message:

Polyether Based

General Information	
Features	Good Toughness
	Low Shrinkage
	Low Viscosity
Uses	Decorative Parts
	Industrial Castings
	Molds/Dies/Tools
Appearance	Amber
Forms	Liquid
Processing Method	Casting
	Encapsulating

Physical	Nominal Value	Unit	Test Method
Apparent Density	1.04	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.20	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	91		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.2	MPa	ASTM D638
Tensile Elongation (Yield)	350	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	45.5	kN/m	ASTM D624
Thermoset	Nominal Value	Unit	Test Method

Thermoset Components			
Hardener	Mix Ratio by Weight: 45		
Resin	Mix Ratio by Weight: 100		
Pot Life (25°C)	12 to 15	min	
Shelf Life (24°C)	26	wk	
Thermoset Mix Viscosity (25°C)	2000	cP	ASTM D2393
Demold Time (25°C)	4300 to 7200	min	

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