

Ad-Tech Urethanes UC-4760

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
	Machine/Mechanical Parts
Forms	Liquid
Processing Method	Casting
	Encapsulating

Physical	Nominal Value	Unit	Test Method
Apparent Density	1.09	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.10	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.3	MPa	ASTM D638
Tensile Elongation (Yield)	200	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	61.3	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 to 20	min	
Shelf Life (24°C)	26	wk	
Thermoset Mix Viscosity (25°C)	2000	cP	ASTM D2393
Demold Time			
25°C	4300 to 7200	min	
66°C	960	min	

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