

Ad-Tech Urethanes LUC-4180

Polyurethane Thermoset Elastomer

Ad-Tech Plastic Systems Corp.

Message:

Polyether Based

General Information	
Features	Good Impact Resistance
	Good Toughness
	Good Wear Resistance
	Low Viscosity
Uses	Gears
	Industrial Castings
	Molds/Dies/Tools
Appearance	White
Forms	Liquid
Processing Method	Casting
	Reaction Injection Molding (RIM)

Physical	Nominal Value	Unit	Test Method
Apparent Density	1.09	g/cm ³	ASTM D1895
Molding Shrinkage - Flow	0.20	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	79		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.2	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Compressive Strength	58.6	MPa	ASTM D695

Thermoset	Nominal Value	Unit	Test Method
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Thermoset Components			
Hardener	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Weight: 100		
Pot Life	20	min	
Shelf Life (24°C)	26	wk	
Thermoset Mix Viscosity (25°C)	800	cP	ASTM D2393
Demold Time (25°C)	4300 to 7200	min	

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