

Plaslube® TPU T/AL27

Thermoplastic Polyurethane Elastomer (Polyester)

Techmer Engineered Solutions

Message:

Plaslube® TPU T/AL27 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product filled with aramid fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Lubricated

Wear Resistant

General Information			
Filler / Reinforcement	Aramid Fiber		
Additive	PTFE Lubricant		
Features	Good Wear Resistance		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	48.3	MPa	ASTM D638
Tensile Elongation (Yield)	100	%	ASTM D638
Flexural Modulus	276	MPa	ASTM D790
Flexural Strength	62.7	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.26		
vs. Steel - Static	0.30		
Wear Factor	40	10 ⁻⁸ mm ³ /N·m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	220	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Melting Temperature	221	°C	

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Recommended distributors for this material

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