



**High Performance Urethane
For
“Can’t Fail” Applications**

POLYURETHANE ST-3477

POLYMER: Non-halogen FR* thermoplastic polyether urethane

DESCRIPTION: ST-3477 is an aromatic thermoplastic polyether urethane with non-halogen flame retardant*. Its virgin resin passes UL94 VTM-0 rating at .004” thick film.

GENERAL PROPERTIES

	Specifications	Units	Values
Durometer:	D2240		80A
Specific Gravity:	D792		1.15
Thermal Properties:			
Maximum Service Temperature			
-continuous		°F °C	-40° to 160° -40° to 71°
-melting point range		°F °C	293° to 329° 145° to 165°
Tensile Properties:	D638		
Strength @ 100% strain		psi	950
Strength @ 300% strain		psi	1600
Strength @ break		psi	7500
Elongation @ break		%	550
Set @ break		%	35
Tear Properties:			
Die C	D624	pli	475

When mentioning “flame retardant (FR)”, it refers to the use of additives to improve flammability properties that are measured in small-scale laboratory tests. These tests provide relative burning rates. There is no association with our product performance in actual fire situations. Like all organic materials, ST-3477 will burn under the right conditions. All information and recommendations contained herein are based upon data believed to be correct but JPS makes no warranty either expressed or implied, and assumes no responsibility for the accuracy of the data presented.