



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

STEVENS POLYURETHANE ST-1870-75

POLYMER: Polyether Aromatic Polyurethane

DESCRIPTION: ST-1870-75 is a 75 shore A polyether polyurethane. ST-1870-75 can be a sheeted film, blown film or tubing. This TPU is soft and flexible with excellent handling, breathing, and elongation behavior.

GENERAL PROPERTIES

	Specifications	Units	Values
Durometer:	D2240		75
Specific Gravity:	D792		1.06
Thermal Properties:			
Maximum Service Temperatures,			
-continuous		F C	-65 to 200 -54 to 93
-melting point range		F C	339 to 370 171 to 193
Tensile Properties:	D638		
Modulus @ 100% strain		psi	500
Modulus @ 300% strain		psi	800
Modulus @ break		psi	3500
Modulus of elasticity up to 10% strain		psi	N/A
Elongation @ break		%	700
Set @ break		%	50
Tear Properties:			
Die C	D624	pli	380