



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

ST-1665-90 POLYETHER, POLYURETHANE

POLYMER: Polyether Aromatic Polyurethane

DESCRIPTION: ST-1665-90 is a polyether polyurethane formulated for excellent heat resistance. The base polymer has excellent heat resistance as a thermoplastic polyurethane film and provides one of the highest melt temperatures of a thin film.

RECOMMENDED APPLICATIONS: Laminations where increased heat resistance and anti-stick behavior is required compared to standard 85A formulations.

GENERAL PROPERTIES

	Specifications	Units	Values
Durometer:	D2240		90 +/- 5 Shore A
Specific Gravity:	D792		1.14
Thermal Properties:			
Maximum Service Temperatures,			
-continuous		F C	-60 - 240 -51 - 116
-melting point range		F C	392 - 428 200 - 220
Tensile Properties:	D638		
Modulus @ 100% strain		psi	1200
Modulus @ 300% strain		psi	2750
Modulus @ break		psi	8500
Modulus of elasticity up to 10% strain		psi	
Elongation @ break		%	350
Set @ break		%	20
Tear Properties:			
Die C	D624	pli	525