



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

POLYURETHANE ST-3995-80

POLYMER: Polyether Aromatic Polyurethane

DESCRIPTION: ST-3995-80 is an 80 shore A polyether polyurethane. ST-3995-80 is formulated to exhibit excellent melt adhesion characteristics. It has a low level slip formulation to help prevent adhesion interference and to allow maximum adhesion to a variety of substrates. This TPU also exhibits good elastic properties due to its structure and can be used where a soft, rubber-like, low additive TPU is desired. ST-3995-80 also has enhanced UV stability.

GENERAL PROPERTIES

	Specifications	Units	Values
Durometer:	D2240		80A
Specific Gravity:	D792		1.13
Thermal Properties:			
Maximum Service Temperature			
-continuous		°F °C	-65° to 175° -54° to 79°
-melting point range		°F °C	302° to 329° 150° to 165°
-melt index (190C/8700g)	D1238	Grams/ 10 min.	49
Tensile Properties:	D638		
Modulus @ 100% strain		psi	1200
Modulus @ 300% strain		psi	2000
Modulus @ break		psi	4500
Modulus of elasticity up To 10% strain		Psi	N/A
Elongation @ break		%	450
Set @ break		%	20
Tear Properties:			
Die C	D624	pli	400

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