



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

POLYURETHANE ST-3850-85

POLYMER: Polyether Aromatic Polyurethane

DESCRIPTION: ST-3850-85 is an 85 shore A polyether polyurethane. This film exhibits fine performance against the effects of fungus attack and high humidity. ST-3850-85 also has enhanced UV stability. Grades are available with varying slip performance at various clarity levels.

GENERAL PROPERTIES

	ASTM	Units	Values
Durometer:	D2240		85A
Specific Gravity:	D792		1.12
Thermal Properties:			
Maximum Service Temperature			
-continuous		°F °C	-49° to 185° -45° to 85°
-melting point range		°F °C	338° to 374° 170° to 190°
Tensile Properties:	D638		
Strength @ 100% elongation		psi	950
Strength @ 300% elongation		psi	1750
Strength @ break		psi	8000
Elongation @ break		%	520
Set @ break		%	25~30
Tear Properties:			
Die C	D624	pli	500

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