



Revision Date: 10/19/2023
Approved by: LJ
Version: 2023-3

PRODUCT SPECIFICATION

PRODUCT ID # : 10509-2849L and 10509-2860L

28oz TPU International Orange, 49" and 60"

Base Fabric

Weight 9.7 oz/yd² (327 g/m²)
Yarn Polyester

Coating

Polymer TPU Ether
Color Intl. Orange
Sealing 0
Width 49.0 in and 60 in

Physical Properties	Units	Test Method	Typical value	
Thickness	mils	ASTM D751	36.0 (± 5%)	
	mm		0.91	
Weight	oz/yd ²	ASTM D751	28.0 (± 5%)	
	g/m ²		949	
Tear Strength (Tongue Tear)	lbs	ASTM D751- B	100 (MD)	100 (TD)
	N		445 (MD)	445 (TD)
Breaking Strength (Grab Tensile)	lbs	ASTM D751-A	600 (MD)	525 (TD)
	N		2669 (MD)	2335 (TD)
Breaking Strength (1” Strip Tensile)	lbs	ASTM D 882	375 (MD)	325 (TD)
	N		1668 (MD)	1446 (TD)
Hydrostatic Resistance (Mullen Tester)	psi	ASTM D751-A	700	
	Mpa		4.83	
Abrasion Resistance (H18 wheel, 1000g load)	cycles	ASTM D3884	2000+	
Low Temperature Bend Test (1/8" Mandrel, 4 hours)	°F	ASTM D2136	-40	
	°C		-40	
Ozone Resistance		ASTM D1149	PASS	
Puncture Resistance (Screw Tip)	lbs	ASTM D751	120	
	N		534	
Bursting Strength (Ball Tip)	lbf	ASTM D751	850	
	N		3781	
Dimensional Stability (Max)	%	ASTM D1204	2.0%	
Accelerated Weathering (QUV)	hours	ASTM G 154	3000	
Resistance to water		ASTM D 870	Pass	
After Water Immersion				
1" Tensile - 14 Day	%	ASTM D751-B	90% (MD)	90%(TD)
1" Tensile - 42 Day	%		80% (MD)	80%(TD)
Elongation - 14 Day	%	ASTM D751-B	90% (MD)	90%(TD)
Elongation - 42 Day	%		80% (MD)	80%(TD)
Adhesion- Wedge Weld	lb/2in	ASTM D751	50	

Product Meets the requirements of NAVFAC OIL SPILL RESPONSE PROGRAM BOOM-1 r5 Lightweight (Response)

Product Specifications are minimum values, actual results may be higher

We believe this information is the best currently available on the subject. It is provided as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge, information and experience are gained. We make no guarantee of results and assume no obligation, warranty or liability whatsoever in connection with this information. In case of conflict between standard and metric specifications, standard shall apply