

# MATERIAL AND PROCESSES SPECIFICATIONS

<b>Title:</b> <p style="text-align: center;"><b>Closed Cell Polyethylene Closure Slab - Material Specification Comparison.</b></p>	<b>No.:</b>	<b>Rev.:</b> IR	<b>Page:</b> 1 of 1
	<b>Date:</b> 5/29/2012	<b>Checked by:</b>	<b>Approved by:</b>

## PHYSICAL CHARACTERISTICS

	Units	NEW DARK GREY Material	OLD SOLID Material	Test Method
Color		Grey	Grey	
Density	lbs/ft <sup>3</sup>	1.86	1.68	ASTM D3575 (Note 1)
<b>Compression Deflection</b>				
25% (cross section)	psi	5.1	7.5	ASTM D3575
50% (cross section)	psi	13.6	16.5	ASTM D3575
Compression Set	%	25	24	ASTM D3575
Tear Strength MD	psi	11.5	7.0	ASTM D3575
Tear Strength CM	%	12.5	12.0	ASTM D3575
Elongation MD	%	165	142	ASTM D3575
Elongation CM	lbs/ft <sup>2</sup>	164	99	ASTM D3575
Thermal Stability 3 hrs @ 180 °F	% change	0.0%	-0.9%	Note 1
Water Absorption	% VOL (max)	1	1	Note 1
UV Resistance		Slight surface deterioration	Slight surface deterioration	ASTM G154 (Note 1, Note 2)
Shore Hardness	OO	51	55	ASTM D2240

Note 1: Values obtained from independent lab testing of the products.

Note 2: 1000 hours of QUV testing showed slight deterioration of the surface and slight friability.

Values contained in this specification were obtained through controlled laboratory testing and represent ideal testing conditions. Values stated are expressed as ultimate values obtained in testing. SFS intec, Inc does not imply an warranties of merchantability for a particular purpose. It is the responsibility of the customer for determining whether products and the information are appropriate for a certain application.