

High Density Polyethylene Sure Grip® CPL With Ultra Grip Anchors Yellow



Product Data

Property	Test Method	Minimum Average Roll Values			
Thickness (nominal), mil (mm)	ASTM D5199	80 (2.0)	100 (2.5)	120 (3.0)	200 (5.0)
Density, g/cc, minimum	ASTM D792, Method B	0.935	0.935	0.935	0.935
Tensile Properties (ave. both directions) Strength @ Yield (min. ave.), lb/in width (N/mm)	ASTM D6693, Type IV 2 in/minute 5 specimens in each direction	176 (30.8)	220 (38.5)	264 (46)	440 (77)
Elongation @ Break (min. ave.), % (GL=2.0in)		300	300	300	300
Puncture Resistance (min. ave.), lbs. (N)	ASTM D4833	120 (537)	150 (625)	180 (750)	300 (1250)
Stress Crack Resistance (Single Point NCTL), hours	ASTM D5397, Appendix	400	400	400	400
Oxidative Induction Time, minutes	ASTM D3895, 200°C, 1 atm O ₂	≥140	≥140	≥140	≥140
Melt Flow Index, g/10 minutes	ASTM D1238, 190°C, 2.16kg	≤1.0	≤1.0	≤1.0	≤1.0
Pull Out Resistance psf (kN/m ²)	ISO 4624	16,500 (800)			
Back Pressure Resistance long term	SKZ-Test 700mm x 700mm	1000 hour at 1.5 bar (21.76 psi)			
Oven Aging with HP OIT, (% retained after 90 days)	ASTM D5721 ASTM D5885, 150°C, 500psi O ₂	80	80	80	80
UV Resistance with HP OIT, (% retained after 1600 hours)	ASTM D7238 ASTM D5885, 150°C, 500psi O ₂	20hr. Cycle @ 75°C/4 hr. dark condensation @ 60°C 50	50	50	50

Agru America's geomembranes are certified to pass Low Temp. Brittleness via ASTM D746 (80°C), i ~~ASTM D746~~ and Dimensional Stability via ASTM D1204 (±2% @ 100°C).

Notes:

All rolls are supplied with two slings. All rolls are wound on a 6 inch core. Special lengths are available on request. All roll lengths and widths have a tolerance of ±1%
*The weight values may change due to project specifications (i.e. absolute minimum thickness or special roll lengths) or shipping requirements (i.e. international containerized shipments).

All information, recommendations and suggestions appearing in this literature concerning the use of our products are based upon tests and data believed to be reliable; however, it is the users responsibility to determine the suitability for their own use of the products described herein. Since the actual use by others is beyond our control, no guarantee or warranty of any kind, expressed or implied, is made by Agru America as to the effects of such use or the results to be obtained, nor does Agru America assume any liability in connection herewith. Any statement made herein may not be absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein is to be construed as permission or as a recommendation to infringe any patent.