



PipeSak® Pipeline Protection

Technical Notes

PipePillo® Support UV Testing

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PipeSak® utilized QUV Accelerated Weather testing following ASTM D4329-13 on its custom formulation to assess performance degradation resulting from ultraviolet (UV) exposure. Test bars were exposed to cycles of 8 hours of UV exposure at 50°C (122°F), followed by 4 hours of condensation at 50°C (122°F).

UVA-340 lamps were used to simulate short and mid-UV wavelengths of daylight. Following a 1000 hours of exposure and 2000 hours of exposure, material testing was completed to determine any noticeable trend in performance degradation.

Material discoloring was not evident even after 2000 hours of ultra-violet (UV) exposure, indicating the UV inhibitor package is highly effective. Tensile properties were relatively unchanged, and PipePillo® pipeline support impact strength saw a reduction of only 5%.

PipePillo® pipeline supports are able to maintain performance even in applications involving prolonged exposure to UV.



PipePillo® Material Properties	Standard	Control	1000 hr	2000 hr	Units
Izod Impact Strength	ASTM D256	1.48	1.41	1.38	ft.lbs/in
Tensile Strength	ASTM D638	6059	6147	6046	psi
Tensile Elongation @ Yield	ASTM D638	2.92	2.83	3.32	%