



PipeSak® Pipeline Products

RockStop® Rockshield Specifications

24" to 56" O.D. Pipelines

Physical Property Data Minimum Thickness – 1/2" (14mm) RockStop® Rockshield

Property	Equivalent Test Method	Typical Test Result ¹
Impact Strength	ASTM G13 (modified) ²	No failures for 8" rock
Puncture Strength	ASTM D6241	7,496 lb [33,345 N]
Tear Strength	ASTM D4533	1,385 lb/in [243 N/mm]
Compressive Strength	ASTM D1621	2.55 lb/ in ² [17.6 kPa]
Diaphragm Burst Test	ASTM D3787	2,820 lb [12,544 N]
Grab Strength	ASTM D4632	2,113 lb [9,410N] & 86% Elongation at break
Low Temperature Brittleness	ASTM D746	>-65° F [>-54° C] (Exceeded chamber capacity)
Weight	ASTM D5261	0.41 lb/ sqft [2,000 g/m ²]
Cathodic Protection	ASTM G95	No inhibiting effect
UV Resistance	ASTM 4355	70% at 500 hours
Melt Temperature	Custom	356° F [180° C]
Wrap Test	Custom at -58° F	Fully wrapped around 2" OD pipe (dry)
Leach Test	EPA Method 8270E	Detection limits not exceeded
Permeability	ASTM D2434 (modified) ³	42.4 gal/ft ² /day [2.0 x 10 ⁻³ cm/s]

¹ Testing results are average values and should not be taken as a guarantee of performance.

² Test modified to include 50 lb. of rocks, 1.5",3",4", 6" and 8" in diameter, 10 drops each. Drop consisted of releasing 50lb+ of stone from a height of 6 feet onto an FBE coated pipe protected by RockStop® rockshield. The pipe was inspected using a holiday detector after each drop.

³ RockStop® pipeline wrap has a permeability within typical ranges of clean sands. Permeability testing done in accordance with ASTM 2434M.

RockStop® is rated for 6" minus backfill.

RockStop® pipeline wrap has an average R value of 1.709 per ASTM C518.

