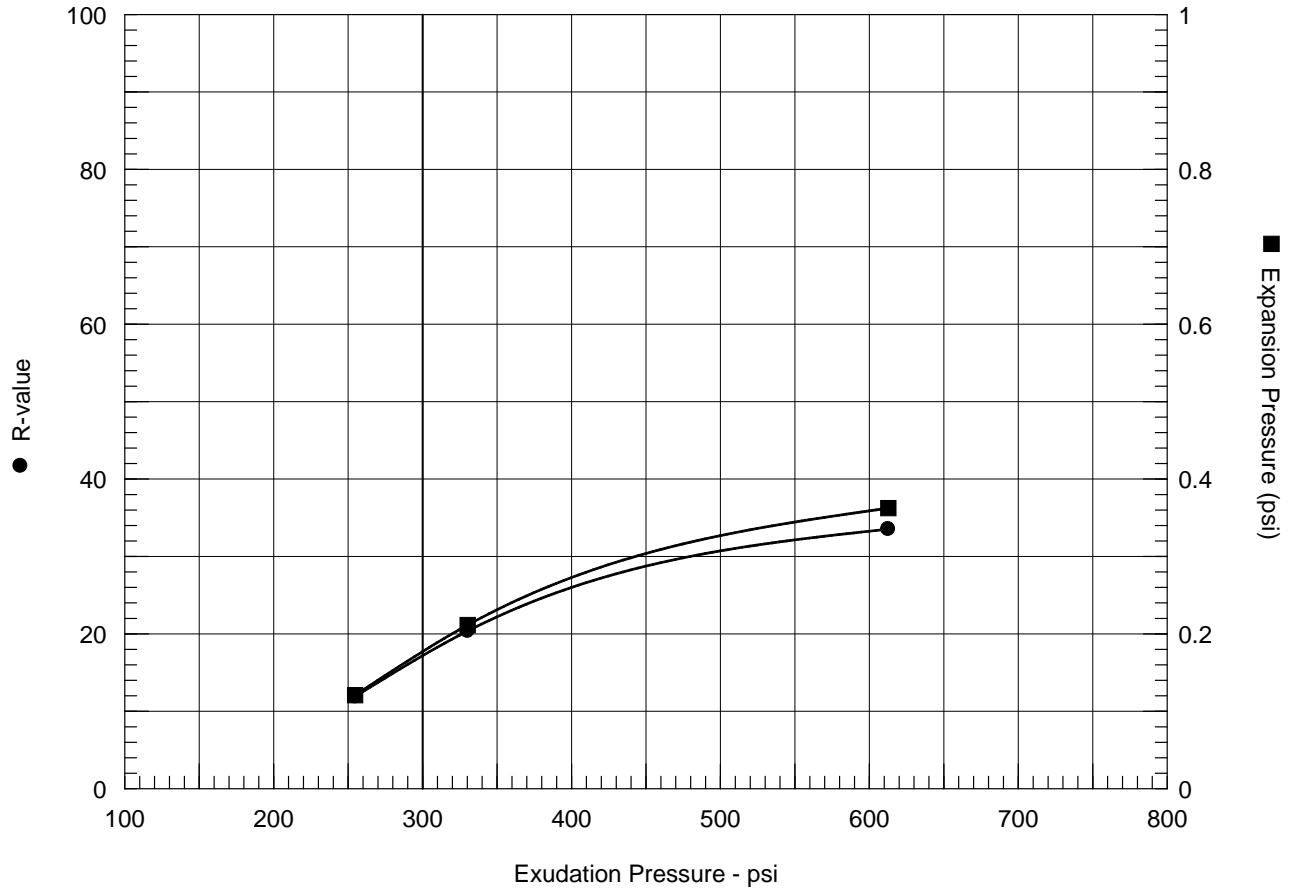


R-VALUE TEST REPORT



Resistance R-Value and Expansion Pressure - ASTM D 2844

No.	Compact. Pressure psi	Density pcf	Moist. %	Expansion Pressure psi	Horizontal Press. psi @ 160 psi	Sample Height in.	Exud. Pressure psi	R Value	R Value Corr.
1	700	118.1	12.3	0.21	109	2.59	330	19.2	20.4
2	250	125.2	11.2	0.36	82	2.37	613	36.6	33.5
3	100	119.1	13.5	0.12	124	2.34	255	13.3	11.9

Test Results	Material Description
<p>R-value at 300 psi exudation pressure = 17.2</p> <p>Exp. pressure at 300 psi exudation pressure = 0.18 psi</p>	<p>CLAY, silty, brown, soft, moist</p>
<p>Project No.: P2318-2015</p> <p>Project: Berthoud County Landfill Expansion.</p> <p>Source of Sample: B-3 Depth: 0-5'</p> <p>Sample Number: S-1</p> <p>Date: 12/15/2015</p>	<p>Tested by: ERK</p> <p>Checked by: ALV</p> <p>Remarks: Sample received 5/22</p>
<p>R-VALUE TEST REPORT</p> <h1 style="margin: 0;">ALV ENGINEERS</h1>	

Figure F-R2