



Enriching lives through innovation

Physical Testing Report

Customer: YETI, Preinsulated Panels System - NIT 900.923.472-9
Foam System: RUBITHERM® LR 18531 / RUBINATE® 1850

Sample Identification

Sample A – Dark blue foam lined with foil. Approximately ¾" thick

Sample B – Light blue foam lined with foil. Approximately 1" thick

Sample C – Normal color foam lined with Kraft paper. Approximately 1.5" thick.

	Sample A	Sample B	Sample C
Thermal Conductivity			
Btu/(h.ft ² .°F/in)			
68°F/32°F	0.167	0.152	0.137
95°F/55°F	0.180	0.163	0.148
Density			
(pcf)	3.17	3.88	2.52
Compression Strength			
psi	26.6	28.4	13.9
Flexural			
Stress @ 5% Strain (psi)	99	122	45
Stress @ Break (psi)	164	208	80
Stain @ Break (%)	15.7	19.5	14.6
Shear			
Break Stress (psi)	23.3	28.7	24.3
Water Absorption			
% Weight Change	4.85	1.31	3.65
Closed Cell			
%	89.9	90.7	90.6
MB 1562			
Avg. Length of Flame (mm)	28.4	30.3	31.0
Standard Deviation	4.5	8.0	7.0
Classification	R1	R1	R1