

Standard Test Method for Determine the Thermal Conductivity/Resistivity of Soils (ASTM D5334)



GEOTECHNICAL & MATERIAL
TESTING LABORATORY

Project Number: N/A
Client: N/A
Project Name: N/A
Location: ---
Sample ID: TP-1 Depth: Bulk
Tested By: KC/SF Reviewed By: SF
Date of Testing: 9-Mar-10 (dd-mmm-yy)

Results

Specimen No.	1	2	3	4	5	6				
Moisture Content (%)	0.7	1.7	3.4	5.0	9.2	13.5				
Dry Density (kg/m ³)	1725.0	1737.0	1750.0	1760.0	1758.0	1765.0				
Thermal Resistivity (k-cm/watt)	427	266	164	129	86	78				
Temperature (°C)	24.3	21.8	21.8	20.1	20.4	19.1				

Proctor Information:

Max. Dry Density (kg/m ³):	1855.0
Opt. Moisture Content (%):	14.2
Target % Compaction:	95%
Target Dry Density(kg/m ³):	1762.3

Thermal Resistivity Dry-Out Curve

