

Testing : **Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting**
 Test Method : ASTM D1894-14
 Project Number : P20201397
 Customer : Tile Tech, Inc.
 Attention : Ronnie Tabibnia
 Analyst : J. Storie
 Date : September 3, 2020



Sled Size : 2.5" x 2.5" (nominal)
 Sled Material : **Black Buffer Pad**
 Substrate Material : **White PVC Membrane**
 Apparatus Used : Instron Series 5565
 Sample Type : Plaque
 Test Direction : Unknown
 Sample Preparation : Cut to size by Intertek PTL.
 Sample Conditioning : 40+ hours at 23°C ± 2°C / 50% ± 10% RH
 Test Conditions : 23°C ± 2°C / 50% ± 10% RH
 Significance : ASTM D1894 specifies that results be reported to 3 significant figures and standard deviation to 2 significant figures.

Test Number	Static Load (g)	Sled Weight (g)	Static Coefficient Of Friction	Kinetic Load (g)	Sled Weight (g)	Kinetic Coefficient Of Friction
1	84.2	177.0	0.476	148	177.0	0.836
2	101	177.0	0.571	124	177.0	0.701
3	94.3	177.0	0.533	150	177.0	0.847
4	68.5	177.0	0.387	121	177.0	0.684
5	87.2	177.0	0.493	126	177.0	0.712
Average			0.492			0.756
Std. Dev.			0.069			0.079

Note: Specimens tested on the textured side.

Note: **Specimens with kinetic coefficients of friction higher than their static coefficient of friction exhibited significant stick slip behavior.**