

→ Static Friction

Kinetic Friction

	Bubblewrap	Bubblewrap Bottom	Carpet	Carpet Pad	Foam Bottom	Foam Top	Lego	Sandpaper	Tape	Wood
Bubblewrap										
Bubblewrap Bottom				1.75						
CarMat				6						
CarMat Bottom										
Carpet										
LEGO Bottom		.75								
Carpet Pad										
Cookie Sheet			.5		.6					.3
Desk						1.4.6	.4	1.8	.3	.6
Foam Top							.7		.8	

$1.75 \rightarrow 6$
 $1 \rightarrow 4.6$
 $.4 \rightarrow .7$
 $.3 \rightarrow .8$
 $.3 \rightarrow .6$

$240 \text{ g} \frac{1 \text{ kg}}{1000 \text{ g}}$
 $\text{Weight} = 2.352 \text{ N}$

$2m = 2F_f$

$F_f = \mu F_N$

↑
coefficient of friction

Carpet pad on bubble wrap

$$m = 249 \text{ g} = 0.249 \text{ kg}$$

$$F_f = 1.75 \text{ N}$$



$$F_N = F_g = m(9.8) = 2.44 \text{ N}$$

$$F_f = \mu F_N$$

$$1.75 \text{ N} = \mu 2.44 \text{ N}$$

$$\mu = 0.717$$