



International Products

C O R P O R A T I O N

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RUBBER SLIDE™

Makes *Rubber Slide* Like Butter

PLASTIC COMPATIBILITY DATA

PLASTIC	PROPERTY	1 Day, % Δ		2 Days, % Δ		10 Days, % Δ	
		Rubber Slide	Tap Water	Rubber Slide	Tap Water	Rubber Slide	Tap Water
ABS	%Δ Mass	+ 0.2	+ 0.2	+ 0.3	+ 0.1	+ 0.5	+ 0.4
	%Δ Hardness	+ 1.3	- 0.6	- 2.1	- 3.3	- 1.1	- 1.5
	%Δ Swell	0.0	- 0.1	+ 0.3	- 0.1	+ 0.1	- 1.1
Acrylic	%Δ Mass	+ 0.2	+ 0.1	+ 0.2	+ 0.2	+ 0.5	+ 0.5
	%Δ Hardness	0.0	- 0.7	- 0.5	- 1.5	- 1.1	- 2.5
	%Δ Swell	0.0	0.0	+ 0.3	- 0.5	0.0	- 0.4
Acetal	%Δ Mass	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.4	+ 0.4
	%Δ Hardness	- 0.9	+ 0.6	- 0.7	+ 0.2	- 2.2	- 2.1
	%Δ Swell	0.0	0.0	0.0	0.0	+ 0.2	+ 0.1
HDPE	%Δ Mass	0.0	0.0	0.0	0.0	0.0	0.0
	%Δ Hardness	- 2.3	+ 3.4	+ 0.3	+ 1.8	0.0	- 0.8
	%Δ Swell	0.0	+ 0.1	0.0	- 0.1	0.0	+ 0.5
PETG	%Δ Mass	+ 0.1	+ 0.1	+ 0.2	+ 0.1	+ 0.4	+ 0.2
	%Δ Hardness	- 1.2	- 0.4	- 1.2	- 0.2	- 4.6	- 3.1
	%Δ Swell	+ 0.5	+ 0.1	+ 0.1	+ 0.1	+ 2.0	+ 0.1
Polycarbonate	%Δ Mass	0.0	+ 0.1	+ 0.1	+ 0.1	+ 0.1	+ 0.1
	%Δ Hardness	- 1.7	- 0.8	- 1.2	- 0.8	- 2.1	- 0.6
	%Δ Swell	+ 0.2	- 0.1	+ 0.4	0.0	+ 0.1	0.0
Polyetherimide	%Δ Mass	+ 0.2	+ 0.2	+ 0.3	+ 0.2	+ 0.6	+ 0.5
	%Δ Hardness	- 1.6	- 0.9	+ 0.7	- 1.1	0.0	- 0.9
	%Δ Swell	- 0.2	- 0.1	+ 0.5	0.0	+ 0.3	- 1.5
Polypropylene	%Δ Mass	0.0	0.0	0.0	0.0	0.0	0.0
	%Δ Hardness	- 1.7	+ 4.1	- 3.3	+ 3.6	- 4.7	+ 2.0
	%Δ Swell	- 0.2	- 0.6	- 0.2	- 0.6	0.0	- 0.7
PPO	%Δ Mass	- 0.1	0.0	0.0	0.0	0.0	+ 0.1
	%Δ Hardness	- 0.9	+ 0.2	- 1.3	+ 0.8	- 1.5	+ 0.4
	%Δ Swell	- 2.0	+ 0.4	0.0	0.0	+ 0.1	0.0
PVC	%Δ Mass	0.0	0.0	0.0	0.0	+ 0.1	+ 0.1
	%Δ Hardness	- 0.2	- 0.8	- 1.7	0.0	- 1.8	- 0.6
	%Δ Swell	+ 0.2	- 0.4	+ 0.2	- 0.5	0.0	- 0.4
Teflon	%Δ Mass	0.0	0.0	0.0	0.0	0.0	+ 0.1
	%Δ Hardness	- 6.2	+ 7.9	- 5.9	+ 9.0	- 8.4	+ 1.8
	%Δ Swell	0.0	- 0.5	0.0	- 0.2	+ 0.2	- 0.4
White Nylon	%Δ Mass	+ 0.6	+ 0.6	+ 0.9	+ 0.8	+ 1.9	+ 2.2
	%Δ Hardness	- 1.4	- 1.7	- 3.4	- 2.7	- 9.5	- 11.5
	%Δ Swell	- 1.5	+ 0.3	+ 0.2	+ 0.7	+ 0.8	+ 1.2

KEY - MATERIALS

ABS - Acrylonitrile butadiene styrene

HDPE - High Density Polyethylene

PETG - Polyethylene terephthalate glycol-modified

PPO - Polyphenylene Oxide - Styrene

PVC - Polyvinyl chloride

METHOD - Modified version of ASTM D543-95; Room Temp.

Mass: Analytical Balance, 0.0001 grams,

Hardness: Shore D Durometer, 1 - 100 HD; CoV - 0.32%

Swell: Mitutoyo Micrometer, 0.001 mm, CoV - 0.11%

CONCLUSION: Compared to the tap water control samples, Rubber Slide has no effect on the plastics. Customers are recommended to conduct their own tests before using Rubber Slide.