Shim Stock

Shim stock is a thin, flat material used to create shims, which are commonly used in mechanical applications to adjust alignment, support structures, or provide a precise fit.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

Practi-Shim™ Shim Stock

PHYSICAL PROPERTY	UNIT	PRACTI-SHIM™ #222	PRACTI-SHIM™ #333
Thickness Tolerance	%	+/- 10	+/- 10
Upper Service Temperature	°F °C	302 150	212 100
Lower Service Temperature	°F °C	-94 -70	-76 -60
Melt Point	°F °C	491 255	302 150
Water Absorption	%	0.8	0.2
Ultimate Elongation	%	120	110
Tensile at Yield	-	170 mpa	600 kg/cm
Compression at 500 psi	%	0.11	1
Density	g/cm^3	1.39	0.91
Ignition Temperature	°F °C	752 400	572 300
Creep	%	0.9	4
Dielectric Strength	-	280 kV/mm	400 V/mm
Volume Resistivity	cm	1×10^{13}	1×10^{14}
Surface Resistivity	cm	1×10^{16}	-
Acetic Acid	-	Suitable	Suitable
Hydrochloric Acid 10%	-	Suitable	Suitable
Sodium Hydroxide 10%	-	Suitable	Suitable
Water	-	Suitable	Suitable
Tricoethlene	-	Suitable	Unsuitable
Detergent Oils 50°F (10°C)	-	Suitable	Suitable

Practi-Shim™ Shim Stock

PHYSICAL PROPERTY	UNIT	PRACTI-SHIM™ #222	PRACTI-SHIM™ #333
Detergent Oils 194°F (90°C)	-	Not Suitable	Suitable
Other Hydrocarbon Oils	-	Suitable	Not Suitable
Ammonium Hydroxide	-	Not Suitable	Not Suitable
Other Info	-	Surface coloring on grade #222 may dissolve in solvents without deterioration to the base material. All materials should be tested for suitability for food and drink contact as well as other performance requirements.	

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