

PROFESSIONAL PLASTICS, INC.

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Practi-Shim™ #222

Practi-Shim™ #333

Physical:

Property	Practi-Shim™ #222	Practi-Shim™ #333
Thickness Tolerance:	+/- 5%	+/- 10%
Upper Service Temp.:	302°F. (150°C.)	212°F. (100°C.)
Lower Service Temp.:	-94°F (-70°C.)	-76°F. (-60°C.)
Melt Point:	491°F. (255°C.)	302°F. (150°C.)
Water Absorption:	0.80%	0.20%
Ultimate Elongation:	120%	110%
Tensile at Yield:	170 Mpa.	600 kg/cm
Compression at 500 psi.:	0.11%	1.00%
Density:	1.39 g/cm ³	0.91g/cm ³
Ignition Temp.:	752°F. (400°C.)	572°F.(300°C.)
Creep:	0.90%	4.00%

Electrical:

Property	Practi-shim™ #222	Practi-shim™ #333
Dielectric Strength:	280 kV/mm	400 V/mm
Volume Resistivity:	1x10 ¹³ cm	1x10 ¹⁴ cm
Surface Resistivity:	1x10 ¹⁶ cm	---

Chemical:

Property	Practi-shim™ #222	Practi-shim™ #333
Acetic Acid:	Suitable	Suitable
Hydrochloric Acid 10%:	Suitable	Suitable
Sodium Hydroxide 10%:	Suitable	Suitable
Water:	Suitable	Suitable
Tricoethylene:	Suitable	Not Suitable
Detergent Oils 50°F. (10°C.)	Suitable	Suitable
Detergent Oil 194°F. (90°C.)	Not Suitable	Suitable
Other Hydrocarbon Oils:	Suitable	Not Suitable
Ammonium Hydroxide:	Not Suitable	Not Suitable

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.

The information stated here is based on technical data that Professional Plastics, Inc. believes to be reliable. Any application should be thoroughly tested to assure product reliability in every respect. Professional Plastics, Inc. assumes no obligation or liability resulting from the use of the information contained herein and the user shall assume all risk and liability.
