

# IMPAK CORPORATION

## PAKSTAT300

### Application:

Semi-transparent, electro-static protective, buried metal, heat-sealable, flexible structure offering excellent electrostatic shielding properties.

### Physical Properties:

Electrical Properties	
Resistivity-Conductive Metal Layer (ASTM D-257):	<50 hms/sq. in. avg.
Surface Resistivity (both surfaces) (ASTM D-257 @ 12% RH):	<10 <sup>12</sup> Ohms. sq. in.
Static Decay (FTMS 101C, Method 4046.1 5000 to 0 Volts):	<0.03 Seconds
Capacitive Probe Test (High Voltage Discharge) - (EIA-std 541/Appendix E-1 KV):	<20 Volts
Charge Generation-nominal (Modified incline plane Avg. nC/sq.in.):	
PTFE Fluoropolymer:	-0.09
Quartz:	+0.10
Physical Properties	
Total Thickness:	3.0 mils
Light Transmission (ASTM D-1003-77)	40% +/- 5%
Tensile Strength (ASTM D882-83 Method A)	MD: 5800 psi TD: 6600 psi
Tear Strength: (D1004-66 - Notched)	MD: 2.5 lbs. TD: 2.0 lbs.
Burst Strength (FTMS 191-C Method 5122)	50 psi
Puncture Strength (FTMS 101-C Method 2065.1)	>12 lbs.
Elongation (ASTM D822-83 Method A)	MD: 80% TD: 85%
Heat Seal Strength (ASTM D-1876-72 Vertrod bar Sealer/heat & dwell 5.5)	>14 lbs./in width (rm. temp)

MVTR (ASTM F-1249 @ 100°F 100sq. in./24 hrs)	0.3 gms - nominal
OTR (ASTM D-3985/100 sq. in./24 hrs)	0.50 cc
<b>Heat Seal Specifications</b>	
Recommended Temperature:	250 - 400 °F
Dwell Time	0.5 - 3.0 seconds
Pressure	35 - 80 psi
Typical Seal Strength	Destructive Bond
<b>Bag Specifications</b>	
Bag Size Tolerance	+/- 1/8"
Bottom Construction	Fold Over
Side Seals	3/8"

**Chemical Properties:**

Polycarbonate compatible, no Amides, Amides or N-Octanoic Acid

IMPAK CORPORATION makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. The values shown above were developed from random samples taken from production material. We believe them to be typical for the product. Actual values may vary somewhat from those depicted here. Customers should determine product suitability based upon their own internal criteria.

