



## **TPU-AMZ48 Technical Data Sheet**

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## 1. Description

7.0 mil clear thermoplastic polyurethane with permanent solvent acrylic adhesive and 3.0 mil PET liner.

## 2. Recommended Applications

The thermoplastic polyurethane has optimum clarity, conformability and is extruded under rigidly controlled process conditions to nearly eliminate gels and other blemishes. The clear high gloss durable film offers excellent surface protection while maintaining near perfect optical properties.

The conformability of the polyurethane, coupled with excellent UV resistance, stain resistance and positional adhesive is specifically designed for a wide breadth of surface applications.

This product passes the SAE J4000 Gravel-O-Meter test (ASTM D3170).

## 3. Antimicrobial Information

Efficacy: 4 LOG reduction of E. coli and S. aureus at 8 hours via JIS Z 2801 method.

Agent name: Seal Shield ZS22

Agent classification: Silver zeolite

EPA Registration No.: 71227-4-72854, 71227-4-88165

## 4. Optical Properties

	<b>Value</b>	<b>Units</b>	<b>ASTM Method</b>
Visible Light Transmission	99+%	percent	ASTMD 1003-13
Haze	2.81	NA	ASTMD 1003-13
UV Transmission (<370nm)	<1%	percent	ASTMD 1003-13

## 5. Facestock

7.0 mil clear thermoplastic polyurethane.

	<b>Value</b>	<b>Units</b>
Caliper:	7.0	mil
Hardness	60	D
	70	A
Elongation	>350	Percent

## 6. Adhesive

Permanent solvent acrylic.

	<b>Value</b>	<b>Units</b>	<b>ASTM Method</b>
Peel Adhesion			
15 min:	45	oz/in	PSTC-101(SS)
24 hr:	65	oz/in	PSTC-101(SS)

Minimum Application Temperature: 50°F  
Service Temperature Range: -40°F to +200°F

## 7. Liner

3.0 mil PET (measured by calibrated caliper).

## 8. Shelf Life

Shelf life at 73°F and 50% RH is 2 years. Outdoor durability (vertical exposure) is 5 years.

## 9. Chemical Resistance

Distilled Water (24hr)	No Effect
Detergent (24hr)	No Effect
Anti-Freeze (24hr)	No Effect
SAE 20 Motor Oil (24hr)	No Effect
Gasoline (1hr)	No Effect

## 10. Disinfectant Compatibility

The following products are compatible with the TPU when the IFU is strictly followed.

- PDI Super Sani-Cloth
- PDI Sani-Cloth bleach
- Ethanol 70%
- PDI Easy Screen [IPA 70%]
- AVERT
- PDI Sani Cloth AF3
- Clinell Sporicidal Wipes
- Clinell Universal Range
- Cleanisept Wipes
- Mikrozyd Sensitive Wipes
- Virex 5
- Caviwipes
- PDI Sani Cloth Plus
- Clorox Hydrogen Peroxide
- Clorox Healthcare Bleach
- Oxivir HC
- Oxivir Excel
- Isopropyl alcohol and Ethanol

## 11. Product Disclaimer

All labels and label material constructions are sold with the understanding that the purchaser has independently determined the suitability of each product for the application for which it is purchased. The seller disclaims any implied warranty of fitness of a product for a particular purpose. All materials should be tested thoroughly by the purchaser under end-use conditions to ensure they meet the requirements of a specific application.