



800.253.1569 | wensco.com

► ProTec Series 3960

Heavy Duty Overlaminates

ProTec Series 3960 overlaminates is a 12-mil (305 micron) film with a clear, permanent pressure-sensitive adhesive. The heavy gauge product is designed to protect decals and graphics while maintaining high clarity. ProTec Series 3960 is rated for an outdoor durability up to 2 years.

APPLICATIONS & FEATURES

- Protective overlaminates for racing, dirt bikes, and other recreational vehicles
- Ideal for applications needing exceptional durability and abrasion resistance
- Use in conjunction with Arlon's DPF 8000™ Ultra Tack or DPF 8200 High Tack film
- Designed to be laminated cold without any heat
- Excellent clarity and gloss retention
- Minimize silvering and enhance image quality with fast wet-out adhesive system

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	70 to 90 Gloss Units	
THICKNESS	Micrometer, Federal Bench Type	12-mil (305 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 45.67 lb/in	≥ 8.16 kg/cm
ELONGATION	Instron Tensile Tester as above	≥ 270%	
SHELF LIFE (IN BOX)	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	1 year from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	50°F to 80°F	10°C to 26°C
SERVICE TEMPERATURE RANGE	Film applied to etched aluminum panels 24 hours prior to testing	-40°F to 176°F	-40°C to 80°C
DIMENSIONAL STABILITY	158°F (70°C), 48 hours, on aluminum panel	20-mil	0.51 mm
PEEL ADHESION	PSTC-1, 15 min. 70°F (21°C)	≥ 2.27 lbs/in	≥ 0.40 kg/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	50 g/2 in	11.8 g/cm
HUMIDITY RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. 100% relative humidity, 100°F (38°C) for 500 hours.	No Appreciable Effect	
GASOLINE RESISTANCE	Film applied to etched aluminum panels 24 hours prior to testing. Immersed 30 minutes at 70°F (21°C), stabilized for 24 hours before inspection.	No Appreciable Effect	


Standard Terms & Conditions Apply

TERMS & CONDITIONS

The following is made in lieu of all warranties expressed or implied:


All statements, technical information and recommendations published by Arlon relating to Arlon products are based on tests believed to be reliable and within the accuracy of the equipment used to obtain the specific values. Their accuracy or completeness is not guaranteed and Arlon makes no warranty with regard thereto. Seller's and manufacturer's only responsibility shall be to replace any quantity of the product proved defective. Seller and manufacturer shall not be liable for injury, loss or damage, direct or consequential, arising out of use or the inability to use the product. Nor shall seller or manufacturer be liable for any costs or expenses incurred in the processing or printing on the product. Before using, user shall determine the suitability of the product for its intended use. User assumes all risk and liability of every nature in connection therewith. No statements or recommendations other than those contained in the technical information published by Arlon shall have force or effect unless contained in an agreement manually signed by the officers of seller and manufacturer.


August 2018

USA:  200 Boysenberry Lane, Placentia, CA 92870, USA

EUROPE:  North Sea Building, Gevers Deynootweg 93, 4th Floor, 2586BK Den Haag, The Netherlands

 800 232 7161/+1 714 985 6300

 +31 70 354 4311

 800 329 2756

 +31 70 355 7721

arlon.com