

GENTEX Aluminized Fabrics

By Technical Characteristics

GENTEX's proprietary Dual Mirror®/Flexir® Aluminized Fabric offers an exceptionally high level of abrasion resistance - the result of our unique, five-layer fabric structure. This proven system ensures that your fabric remains highly reflective even after repeated use and proper [care and cleaning](#).



The five layers consist of an outer skin of aluminum, a protective film, a second layer of aluminum, heat-stable adhesive and a base fabric. These individual layers are then combined to form a single fabric.

Our fabrics offer manufacturers, engineers and product designers a wide range of technical textile specifications to address important performance requirements and needs. Explore our fabrics based upon [areal weight](#), [thickness](#), [breaking strength](#), [tear strength](#), [flame resistance](#) and [radiant reflectivity](#).

Or, to assist you in assessing your specific requests and purchasing, we invite you to contact resident technical sales expert, [Lou Ott](#). As sales manager of Performance Textiles at GENTEX, Lou offers more than 25 years of design and development experience with high-temperature and heat-reflective textiles. He earned his degree in textiles from Philadelphia University and is the past chairman of the ISEA Safety Wearing and Apparel Group (SWAG), and a member of the ASTM Committee F23 on Protective Clothing. Lou also serves on a number of National Fire Protection Association committees including: NFPA 1971 Technical Committee on Structural and Proximity Fire Fighting Clothing and Equipment; NFPA 1994 Technical Committee on Hazardous Material Protective Clothing and Equipment; and NFPA 1977 Technical Committee on Wildland Fire Fighting Protective Clothing and Equipment.

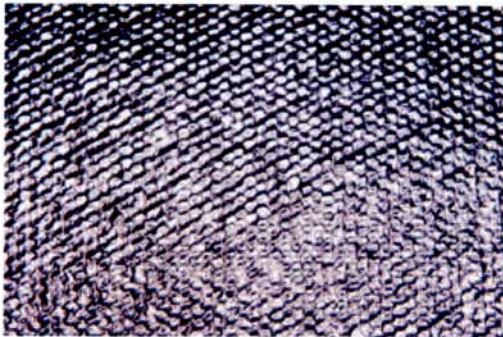
Aluminized Fabrics

KOR645 Plain-1081

KOR645 Plain

DUAL MIRROR®

Type: #1081
Description: KOR645 Plain
Coating Face: GENTEX Dual Mirror Aluminized Fabric
Additional Certification: EN 531



Front View



Back View

Characteristics	Test Method	English	Metric
Areal Weight	ASTM D3776	19.0 oz./sq. yd.	645 gms./sq. m.
Thickness	ASTM D1777	0.045 inches	1.14 mm.
Breaking Strength (lbs.)			
Warp	ASTM D5034	400 lbs.	1779 N
Fill	ASTM D5034	150 lbs.	667 N
Tear Strength (lbs.)			
Warp	ASTM D1424	CNM	CNM
Fill	ASTM D1424	45 lbs.	200 N
Flame Resistance			
After Flame (max.)	ASTM D6413	2.0 seconds	2.0 seconds
Char Length (max.)	ASTM D6413	0.5 inches	1.3 cm.
Radiant Reflectivity (min.)	MIL-C-24929A	30 seconds	30 seconds

Performance data contained herein is laboratory derived. GENTEX Corporation does not, with this electronic display, warrant the performance intended or implied. It is expected that fabricators exercise necessary care in fabric selection, garment design, and manufacture, such that the intended exposure takes due account of the performance requirements.