



**PLENAFILL® Scalable Blanking Panels**  
**PlenaForm® Baffle System**

[www.plenaform.com](http://www.plenaform.com)  
[www.plenafill.com](http://www.plenafill.com)

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Material: Formex GK

Chemical Family: Flame Retardant Polyolefin Compound  
 Fire and Explosion: Flash Ignition: > 375° C, > 707 ° F  
 Extinguishing Media: Water, foam, dry chemicals or carbon dioxide  
 Non-hygroscopic (moisture absorption < 0.1%)

Physical Properties:	Test Method	Formex GK-40
Density - gm/cc	ASTM D-792	1.035
Flammability UL (Underwriters Laboratory recognized)	UL94	V-0
Oxygen Index	ASTM D-2863	29
Water Absorption	ASTM D-570	0.06%
Heat Deflection Temperature at 66 psi	ASTM D-648	121° C/250° F
Relative Thermal Index	UL 746B	
Surface Energy - dynes/cm (as produced)	ASTM D-2578	≥ 50

Electrical Properties:

Non-Conductive		
Dielectric Breakdown – volts	ASTM D-149	37,800
Dielectric Strength - volts/mil	ASTM D-149	945
Volume Resistivity - ohm – cm	ASTM D-257	3.97 x 10 <sup>15</sup>
Dielectric Constant	ASTM D-150	2.3
Dissipation Factor	ASTM D-150	0.0019
High Current Arc Ignition - arcs to ignite	UL 746A	200+
High Voltage Arc Tracking - in/min	UL 746A	0.0
Hot Wire Ignition – seconds	UL 746A	12
Comparative Tracking Index - volts	ASTM D-3638	600+
Electrical		115° C/239° F
Mechanical Without Impact		115° C/239° F

Formex GK Materials are fully compliant with REACH and do not contain SVHCs (Substances of Very High Concern) in effect June 20, 2016. ITW Formex® materials do NOT contain any EVA or EVA additives, chlorine, PCBs, PFOS, PFOA, latex, plasticizers and are Halogen free. ITW Formex® materials do not contain Asbestos in the formulation and Asbestos is not used in the manufacturing Processes that produce these materials. Please visit the ITW website at [www.itwformex.com](http://www.itwformex.com) for copies of independent third party certified laboratory test reports confirming compliance with heavy metal analysis and all applicable provisions of EU-RoHS 2 and EU-WEEE in effect as of January 2013.