

FORMEX® GK-40

Polypropylene

ITW FORMEX

Message:

FORMEX® GK-40 is a Polypropylene material. It is available in Asia Pacific or North America.

Important attributes of FORMEX® GK-40 are:

Flame Rated

REACH Compliant

RoHS Compliant

Flame Retardant

Insulating

General Information			
UL YellowCard	E256266-100851807	E256266-100875247	
Additive	Flame Retardant		
Features	Electrically Insulating		
	Flame Retardant		
	Low Moisture Absorption		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
	Natural Color		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Water Absorption (Saturation)	0.060	%	ASTM D570
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	970 to 1100	µm	
Tensile Strength			ASTM D882
MD : Yield	30.3	MPa	
TD : Yield	22.1	MPa	
Treatment	> 50	dyne/cm	ASTM D2578
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	121	°C	ASTM D648
RTI Elec	115	°C	UL 746
RTI Str	115	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	4.0E+15	ohms·cm	ASTM D257
Dielectric Strength	37	kV/mm	ASTM D149

Dielectric Constant	2.30		ASTM D150
Dissipation Factor	1.9E-3		ASTM D150
Comparative Tracking Index (CTI)	600	V	ASTM D3638
High Amp Arc Ignition (HAI)	200		UL 746
High Voltage Arc Tracking Rate (HVTR)	0.00	mm/min	UL 746
Hot-wire Ignition (HWI)	12	sec	UL 746
Dielectric Breakdown	37800	V	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	29	%	ASTM D2863

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Recommended distributors for this material

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