Lifoflex® UV FLAM 50600

Thermoplastic Elastomer

Müller Kunststoffe GmbH

Message:

Lifoflex FLAM are a range of halogen-free flame retardant thermoplastic elastomers (TPEs) designed to meet the most demanding applications where resistance to ignition and burning are important features.

Lifoflex FLAM compounds contain additives to give them better resistance to burning compared to general TPE grades. The range includes halogen, chlorine and antimony free grades which are low smoke and compliant with the Restriction of Hazardous Substances (RoHS) directives, offering flame retardancy without the use of polybrominated diphenyl ether (PBDE).

Additive Flame retardancy Features Chlorine Free Low smoke Good flexibility Good flexibility Good adhesion Halogen-free No antimony Flame retardancy Flame retardancy Uses Wire and cable applications Electronic insulation Washer Reflector Connector Connector Profile Agency Ratings EU 2003/1/EC RoHS Compliance ReHS compliance Processing Method Extrusion Inscito molding Iso Physical Nominal Value Unit Density 1.05 g/cm³ Iso 31183 Hardnes Nominal Value Unit Test Method Durometer Hardnes (Shore A, 3 sec) 50 Tominal Value Din 53504 Elastomers Nominal Value Vinit Test Method Elastomers Nominal Value Init Test Method Durometer Hardnes (Shore A, 3 sec) 50 Tominal Test Method Elastomers Nominal Value Vinit Test Method	General Information					
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	Compression Set			ISO 815		

23°C, 72 hr	19	%	ISO 815
70°C, 22 hr	51	%	ISO 815
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
	850		

Glow Wire Ignition Temperature (3.00 mm)	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	170 - 180	°C	
Middle Temperature	180 - 190	°C	
Front Temperature	190 - 200	°C	
Nozzle Temperature	200 - 210	°C	
Mold Temperature	15.0 - 50.0	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 - 160	°C	
Cylinder Zone 2 Temp.	160 - 170	°C	
Cylinder Zone 3 Temp.	170 - 180	°C	
Cylinder Zone 4 Temp.	180 - 190	°C	
Die Temperature	180 - 200	°C	

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