

Lifoflex® UV FLAM 60600

Thermoplastic Elastomer

Müller Kunststoffe GmbH

Message:

Base Material: TPS - SEBS

Recycling: 100% recyclable

Mould Shrinkage (linear): Approx. 0.75 - 2% depending on e.g. shape of the detail and placement of gate

Characteristics: Halogen free flame retardant thermoplastic elastomer

Service temperature: -50°C to 100°C

Bonds to: PP, PE

General Information			
Additive	Flame retardancy		
Features	Recyclable materials		
	Halogen-free		
	Flame retardancy		
RoHS Compliance	RoHS compliance		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183/A
Molding Shrinkage	0.75 - 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 3 sec)	57 - 63		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (Yield)	5.50	MPa	DIN 53504-S2
Tensile Elongation - Across Flow (Break)	840	%	DIN 53504-S2
Tear Strength	18	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	21	%	ISO 815
70°C, 22 hr	49	%	ISO 815
Thermal	Nominal Value	Unit	
Service Temperature	-50 - 100	°C	
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	70.0 - 80.0	°C
Drying Time	3.0	hr
Rear Temperature	180 - 230	°C
Middle Temperature	180 - 230	°C
Front Temperature	180 - 230	°C
Mold Temperature	30.0 - 60.0	°C

Extrusion	Nominal Value	Unit
Drying Temperature	70.0 - 80.0	°C
Drying Time	3.0	hr
Cylinder Zone 1 Temp.	180 - 220	°C
Cylinder Zone 2 Temp.	180 - 220	°C
Cylinder Zone 3 Temp.	180 - 220	°C
Cylinder Zone 4 Temp.	180 - 220	°C
Cylinder Zone 5 Temp.	180 - 220	°C

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Recommended distributors for this material

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