

hfs technik

**SEG
Booklet 2026**

Highlight your backlit fabric with HFS Technik®
SEG durable and seamless to the next graphic.



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K-Flex Green

Thermoplastic Elastomer (TPE)

65 Shore A

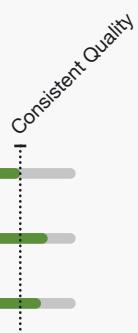
ISO: 868

A soft, colorable SEBS based thermoplastic elastomer (TPE) compound that offers excellent physical properties and chemical resistance.

UV Resistance (Optional)

Ozone Resistance

Surface Friction



100%
Recyclable

Physical Properties

	Unit & Conditions	Standard	Value
Hardness, 3 sec.	Shore A	ASTM D 2240	65.00
Density	g/cm ³	ASTM D 792	1.20
Tensile Strength at Break	MPa	ASTM D412, Method A	10.00
Mod. of Elasticity %100	MPa	ASTM D412, Method A	2.00
Mod. of Elasticity %300	MPa	ASTM D412, Method A	3.20
Elongation at Break	%	ASTM D412, Method A	1000.00
Compression Set	% at 23°C 22 hh	ASTM D 395, Method B	18.00
Compression Set	% at 70°C 22 h	ASTM D 395, Method B	39.00
Compression Set	% at 100°C 22 h	ASTM D 395, Method B	60.00
Tear Resistance	N/mm	ASTM D624	39.00
Ozone Resistance	Stressed	ASTM D 1149	No cracks

Certifications

ISO 9001: 2015 & IATF16949: 2016 & ISO 14001: 2015

RoHS



K-Flex White

Polyvinyl Chlorure (PVC)

 67 Shore A

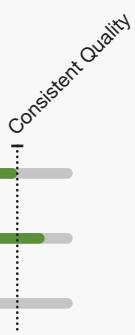
ISO: 868 

PVC compounds can be easily modified to meet specific requirements. They offer a cost-effective solution and are fully recyclable, making them a practical and sustainable choice for a wide range of applications.

UV Resistance (Optional)

Ozone Resistance

Surface Friction



100%
Recyclable

Physical Properties

	Unit & Conditions	Standard	Value
Hardness, 3 sec.	Shore A / @24 C /50% rh	ISO 868	67.00
Density	g/cm ³ / @24 C /50% rh	ISO 1183	1.43
T.S. (Tensile Strength)	MPa / @24 C /50% rh	ISO 527	8.20
Heat Againg-Change in T.S.	% / @80 C /168 hr	ISO 527, IEC 60811-1-2	-
E.B. (Elongation at Break)	% / @24 C /50% rh	ISO 527	268
Heat Againg-Change in E.B.	% / @80 C /168 hr	ISO 527	-
Resis. of Water Absorption	% / @24 C /50% rh	ISO 62	-
Wight Loss	mg/cm ² / @150 C /50% rh	ASTM D 2288	-
Limiting Oxygen Index	-	ISO 4589-2	-
Thermal Stability	g/10 min. / @180 C /10 min	EN-60811-3-2	-
Certifications	ISO 9001: 2015 & IATF16949: 2016 & ISO 14001: 2015		
	RoHS		

K-Flex Blue

Polyvinyl Chlorure (PVC)

 73 Shore A

ISO: 868 

PVC compounds can be easily modified to meet specific requirements. They offer a cost-effective solution and are fully recyclable, making them a practical and sustainable choice for a wide range of applications.

UV Resistance (Optional)

Ozone Resistance

Surface Friction

Consistent Quality

100%
Recyclable

Physical Properties

	Unit & Conditions	Standard	Value
Hardness, 3 sec.	Shore A / @24 C /50% rh	ISO 868	73.00
Density	g/cm ³ / @24 C /50% rh	ISO 1183	1.19
T.S. (Tensile Strength)	MPa / @24 C /50% rh	ISO 527	11.60
Heat Againg-Change in T.S.	% / @80 C /168 hr	ISO 527, IEC 60811-1-2	-
E.B. (Elongation at Break)	% / @24 C /50% rh	ISO 527	287
Heat Againg-Change in E.B.	% / @80 C /168 hr	ISO 527	-
Resis. of Water Absorption	% / @24 C /50% rh	ISO 62	-
Wight Loss	mg/cm ² / @150 C /50% rh	ASTM D 2288	-
Limiting Oxygen Index	-	ISO 4589-2	-
Thermal Stability	g/10 min. / @180 C /10 min	EN-60811-3-2	-
Certifications	ISO 9001: 2015 & IATF16949: 2016 & ISO 14001: 2015		
	RoHS		

K-Flex Green

TPE SEG (White)

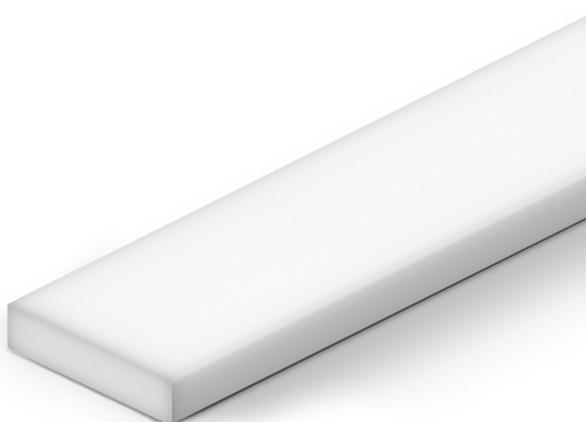
Textile Sewing Profile

 65 Shore A

ISO: 868



With its smooth, low-friction surface, our SEBS-based Thermoplastic Elastomer (TPE) SEG can be seamlessly sewn into any edge of your textile. Its structure is designed to stand upright, ensuring easy and secure installation into aluminum profiles.



Dimensions

Product Code:	KFG.10.3	KFG.11.3	KFG.12.3	KFG.13.3	KFG.14.3
Width	9.9 (± 0.1)	10.9 (± 0.1)	11.9 (± 0.1)	12.9 (± 0.1)	13.9 (± 0.1)
Thickness	2.9 (± 0.1)	2.9 (± 0.1)	2.9 (± 0.1)	2.9 (± 0.1)	2.9 (± 0.1)

Specifications

General Specifications

Packaging

Color	Opaque	Spool Pcs./ Box	2 Pcs.
Density	1.20	Quantity/ per spool	200 m
Tensile strength	06.00	Quantity/ per box	400 m
Certification	Reach, RoHS	Spool type	D: Ø330 mm d: Ø70 mm
Location	Aluminium frames	Box sizes	290x290x390 cm
Inserting suitability	Automatic or manual sewing	Palette sizes	80x120x160 cm
Self-adhesive	No	Spool Pcs./ Palette	40 Pcs.
		Quantity/ Palette	16.000 m

K-Flex White

PVC SEG (white)

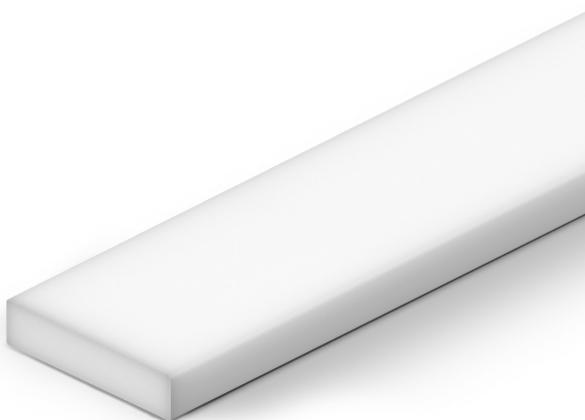
Textile Sewing Profile

 67 Shore A

ISO: 868



Universal-class PVC SEG can be sewn onto printed textiles for use in aluminum frame systems. Unlike silicone, PVC SEG's leave no talc residue and are fully recyclable.



Dimensions

Product Code:	KFW.10.3	KFW.11.3	KFW.12.3	KFW.13.3	KFW.14.3
Width	9.9 (± 0.1)	10.9 (± 0.1)	11.9 (± 0.1)	12.9 (± 0.1)	13.9 (± 0.1)
Thickness	2.9 (± 0.1)	2.9 (± 0.1)	2.9 (± 0.1)	2.9 (± 0.1)	2.9 (± 0.1)

Specifications

General Specifications

Packaging

Color	White	Spool Pcs./ Box	2 Pcs.
Density	1.43	Quantity/ per spool	200 m
Tensile strength	8.20	Quantity/ per box	400 m
Certification	Reach, RoHS	Spool type	D: Ø330 mm d: Ø70 mm
Location	Aluminium frames	Box sizes	290x290x390 cm
Inserting suitability	Automatic or manual sewing	Palette sizes	80x120x160 cm
Self-adhesive	No	Spool Pcs./ Palette	40 Pcs.
		Quantity/ Palette	16.000 m

K-Flex Blue

PVC SEG (Blue)

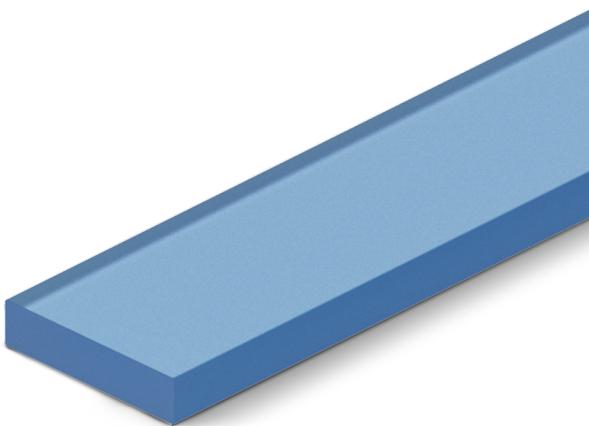
Textile Sewing Profile

 73 Shore A

ISO: 868



Universal-class PVC SEG can be sewn onto printed textiles for use in aluminum frame systems. Unlike silicone, PVC SEG's leave no talc residue and are fully recyclable.



Dimensions

Product Code:	KFB.10.3	KFB.11.3	KFB.12.3	KFB.13.3	KFB.14.3
Width	9.9 (± 0.1)	10.9 (± 0.1)	11.9 (± 0.1)	12.9 (± 0.1)	13.9 (± 0.1)
Thickness	2.9 (± 0.1)	2.9 (± 0.1)	2.9 (± 0.1)	2.9 (± 0.1)	2.9 (± 0.1)

Specifications

General Specifications

Packaging

Color	Blue	Spool Pcs./ Box	2 Pcs.
Density	1.19	Quantity/ per spool	200 m
Tensile strength	11.60	Quantity/ per box	400 m
Certification	Reach, RoHS	Spool type	D: Ø330 mm d: Ø70 mm
Location	Aluminium frames	Box sizes	290x290x390 cm
Inserting suitability	Automatic or manual sewing	Palette sizes	80x120x160 cm
Self-adhesive	No	Spool Pcs./ Palette	40 Pcs.
		Quantity/ Palette	16.000 m

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