

**EPB Harness Bushing  
Jacket Material Solution**





## Application Advantages

### TPU

- Meet the requirement of ColkswagenTL529 standard test.
- UL Yellow Card verified V0 Flame Retardant Polyether TPU, pass through 2000 Hours hydrolysis test ( 85°C&85%RH ) .
- The even and fine grinding surface (fog surface) appearance endows the product advanced texture.
- It can achieve high-efficiency production in general-purpose extruding machine, and it seldom produces cracking performances such as die marks, grains, bright strips and so on.

## Properties Datasheet

					Model
<b>General characteristics</b>	Material properties	Testing standard	Test condition	Units	1085TM
	Material category	-	-	-	TPU Polyether
	Appearance (light/Semi-matte/Frosted)	-	-	-	Frosted
	Extrusion/injection	-	-	-	Extrusion
<b>Physical characteristics</b>	Hardness	DIN 53505	155	Shore A	87
	Proportion	DIN 53479	-	g/cm <sup>3</sup>	1.17
	Melt index	DIN 53735	230°C/5kg	g/10min	2
	Brittle temperature	ISO 812	-	°C	-60
<b>Mechanical properties</b>	Elongation	DIN 53504	200mm/min	%	650
	Tensile Strength	DIN 53504	200mm/min	Mpa	30
	Tearing strength	DIN 53515	500mm/min	KN/m	70
<b>Hot air aging</b>	Elongation retention rate	DIN 53504	158°C/168h	%	≥75 ( 113°C )
	Tensile strength retention	DIN 53504	158°C/168h	%	≥75 ( 113°C )
<b>Electrical performance</b>	Volume resistivity	ASTM D257	-	Ohm-cm	≥1.0E+11
<b>Combustion performance</b>	Vertical burning test	UL 94	3.0/6.0mm	-	V0(6.0mm)
<b>Feature</b>					Uniform surface sanding effect



ATP Polymer

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