

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



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