



Badaflex® UL TPE-S 40A FR01			
Thermoplastic Elastomer based on SEBS [TPE-SEBS-FR(17)]			
Injection moulding grade Styrene-Ethylen-/Butadien-Styrene Copolymer; UL listed halogenated flame retardant V0 according to RoHS standard			
Properties	Test Methods	Units	Typical Values
Hardness	DIN 53505	Shore A Shore D	40A
Density	DIN 53479	g/cm ³	1,26
Tensile Strength Parallel Direction Transverse Direction	DIN 53504	MPa	3
Elongation at Rupture Parallel Direction Transverse Direction	DIN 53504	%	520 740
Tear Strength Parallel Direction Transverse Direction	DIN 53515	N/mm	9 -
Compression Set 72h/23 °C 24h/70 °C 24h/100 °C	DIN 53515	%	18 43 72
Burnability 0,4 mm 3,0 mm	UL94	Class	V-0 V-0
Predrying	-	-	usually not required
Processing Melt Temperature Tool Temperature Injection speed	- - -	°C °C -	180 – 220 30 – 50 High
Overmoulding capability	-	-	Polypropylene (PP)

These data are typical values and represent the state of our knowledge at issue date. If not otherwise stated, the given values are related to uncoloured material. They must not be construed as specification limits or as a guarantee for specific properties. It is the liability of the processor to test the suitability of the material for a specific application.

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