Technical Data Sheet

Badaflex® TPE-S 60A 5123 FR S1

Thermoplastic Elastomer based on SEBS [TPE-SEBS-FR(17)]

Injection moulding grade Styrene-Ethylen-/Butadien-Styrene Copolymer; UL listed flame retardant V0 according to RoHS standard

Properties	Test Methods	Units	Typical Values
Hardness	DIN 53505	Shore A Shore D	60A
Density	DIN 53479	g/cm^3	1,31
Tensile Strength	DIN 53504	MPa	
Parallel Direction			6,0
Transverse Direction			7,0
Elongation at Rupture	DIN 53504	%	
Parallel Direction			520
Transverse Direction			740
Tear Strength	DIN 53515	N/mm	
Parallel Direction			18
Transverse Direction			-
Compression Set	DIN 53515	%	
72h/23 °C			24
24h/70 °C			-
24h/100 °C			-
Burnabilty	UL94	Class	
1,6 mm			V-0
3,0 mm			V-0
Predrying	-	-	usually not required
Processing			
Melt Temperature	-	°C	180 – 210
Tool Temperature	-	°C	30 – 50
Injection speed	-	-	High
Overmoulding capability	-	-	Polypropylene (PP)

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