

MATERIAL DATA SHEET

ELASTOMER QUALITY
DESCRIPTION

TSP-LAST M 460-60A
TPE-S based on SEBS.

PROPERTIES	TEST METHOD	UNIT	DEFAULT	ACTUAL
Hardness	ISO 868	Shore A	60 +/- 3	60
Density	ISO 1183 1-A	g/cm ³	1,17 +/- 0,02	1,17
Tensile strength at break	ISO 37	MPa	5	5
Elongation at break, min.	ISO 37	%	600	600
100% Modulus	ISO 37	MPa	1,4	1,4
300% Modulus	ISO 37	MPa	2,2	2,2
Tear strength	ISO 34-1	kN/m	27	27
Compression set at 72h/23°C	ISO 815	%	26	26
Compression set at 22h/70°C	ISO 815	%	72	72
Compression set at 22h/100°C	ISO 815	%	not spec.	
Hardness change after ageing (168h/70°C)	ISO 188	Shore A	not spec.	
Tensile strength change after ageing (168h/70°C)	ISO 188	%	not spec.	
Elongation at break after ageing (168h/70°C)	ISO 188	%	not spec.	
Change in Hardness (from 23°C to -10°C for 22h)	ISO 188	Shore A	not spec.	
Ozone resistance (100PPCM/200h/20%Stretch)	ISO 1431	class	not spec.	
UV Resistance (1500h/40°C in QUV)		class	not spec.	
Brittle Temperature	ASTM D746	°C	-55	-55
Maximum Dynamic Service Temperatur		°C	90	90
Maximum Static Service Temperatur		°C	110	110

ADDITIONAL INFORMATION

TSP-LAST is a special modified thermoplastic TPE-material based on SEBS with very good properties concerning compression set, UV- and ageing-stability and excellent recovery.