

MATERIAL DATA SHEET

ELASTOMER QUALITY
DESCRIPTION

TSP-FOAM M 604
TPE-S foam based on SEBS.

PROPERTIES	TEST METHOD	UNIT	DEFAULT	ACTUAL
Hardness	ISO 868	Shore A	30 +/- 3	30*
Density	ISO 2781	g/cm ³	0,99 +/- 0,05	0,99*
Tensile strength at break	ISO 37	MPa	not spec.	
Elongation at break, min.	ISO 37	%	not spec.	
100% Modulus	ISO 37	MPa	not spec.	
300% Modulus	ISO 37	MPa	not spec.	
Tear strength	ISO 34-1	kN/m	not spec.	
Compression set at 72h/23°C	ISO 815	%	not spec.	
Compression set at 22h/70°C	ISO 815	%	not spec.	
Compression set at 22h/-25°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		°C	not spec.	
Maximum Dynamic Service Temperatur		°C	not spec.	

ADDITIONAL INFORMATION

TSP-FOAM is a highly modified thermoplastic foamed out of SEBS with good properties regarding compression set, heat stability and excellent recovery performance. The composition was especially developed for foaming, so that during extrusion a closed foam is generated.

* Foamed hardness are about 15 Shore A and foamed density are about 0,6 g/cm³.