

Rubber Sheeting - Technical Specification



1. Dimension (in mm)	Thickness	
Roll length	0 - 2 mm	20 m
Roll length	3 - 10 mm	10 m
Roll length	12- 15 mm	5 m
Width:		1.400 mm

tolerances according to attached sheet

2. Basic properties	Standard	Unit	Value	Value	Value	Value	Value	Value	Value	Value
Reference			I-646	R-353	R-698	R-439	R-798	R-448	R-490	C-800
Elastomer:			SBR	NR	NR	NR	NR	NR	NR	CR
Colour:			black	black	black	black	black	white	beige	black
Density:		g/cm ²	1,13	1,00	1,21	1,18	1,22	1,31	1,05	1,45
Hardness:	ASTM D2240	ShoreA	60	38	60	50	68	50	45	60
Tensile strength:	ASTM D412	Mpa	15,0	20,0	15,0	8,5	15,5	10,0	16,0	6,0
Elongation at break:	ASTM D412	%	400	650	400	400	350	500	600	300
Tear:	ASTM D624 Die C	N/mm	45	20	40	30	40	15	25	15
Abrasion resistance:	DIN 53516 (10 N)	mm ³	120		130		130			
Abrasion resistance:	DIN 53516 (5 N)	mm ³		140		125		250	83	
Working temperature:		°C	-30 / +90	-30 / +90	-40 / +85	-40 / +70	-40 / +85	-40 / +80	-40 / +85	-20 / +100
3. Heat ageing in an air ventilated oven										
Conditions temperature	ASTM D573		70°C 70h	70°C 168h	70°C 70h	70°C 70h	70°C 70h	70°C 70h	70°C 70h	70°C 70h
Hardness Inc.		ShoreA	5	-5	5	8	5	8	5	5
Tensile Inc.		%	-15	-15	-15	-20	-15	-20	-15	-15
Elongation Inc.		%	-25	-25	-25	-35	-25	-35	-25	-40
4. Compression Set										
Cond. Temp. (70°C 22 h)	ASTM D395, M. B	% max.	40	25	35	40	40	40	30	35
5. Chemical resistance										
Ozone			n.r.	good	excellent	moderate	good	moderate	moderate	moderate
Diluted acids and oils			good	excellent	good	good	excellent	good	excellent	moderate
Concentrated acids and oils			moderate	good	moderate	moderate	moderate	moderate	good	n.r.