

Rubber Sheetting Technical Specification

C590 CR

22/07/2019

Property	Standard	units	TDS
Colour			Black
Density		g/cm ³	1,38 ± 0,05
Hardness	ASTM D2240	ShA	60 ± 5
Tensile strength	ISO 37	MPa	≥ 16
Elongation at break	ISO 37	%	≥ 500
Tear resistance	ISO 34-1 (A)	N/mm	≥ 10
Tear resistance	ISO 34-1 (B)	N/mm	≥ 40
Working temperatures		°C	-25 / 100
Compression set			
24 h @ 70°C	ISO 815-1	%	≤ 15
22 h @ 100°C	ISO 815-1	%	≤ 35
Heat resistance, 70 h @ 100°C			
Δ Hardness		ShA	± 5
Δ Tensile strength	ASTM D573	%	± 10
Δ Elongation at break		%	± 20
Effect of liquids			
Oil IRM 901, 70 h @ 100°C	ASTM D471	Δ % Vol.	< 10
Ozone resistance			
96 h @ 100 pphm, 38°C, 30%	ISO 1431-1	cracks	no crack
Low temperature resistance			
Brittleness point	ASTM D2137	°C	≤ -40
Other properties			
REACH compliant			✓
RoHS compliant			✓
PAH free			✓
Other standards			
The physical and mechanical properties of the elastomer comply with the material requirements of			
EN 1337-3, G modulus of 0,9 Mpa			✓
AASHTO M 251-06, grade 3 for CR			✓

*Moulded test pieces