

TECHNICAL DATA SHEET

EVOPRENE SUPER G 948

TECHNICAL PROPERTIES

Primary Properties	Unit	Temperature	Nominal Value	Test Method
Hardness Shore A	Deg	23 °C	46	ISO 868
Specific Gravity	g/cm ³	23 °C	1.08	ISO 2781
Flow Rating	kg/cm ²	180 °C	18	AG Internal Test
Tensile Strength	MPa	23 °C	7.4	ISO 37
Elongation at Break	%	23 °C	510	ISO 37
Modulus at 100% elongation	MPa	23 °C	1.4	ISO 37
Modulus at 300% elongation	MPa	23 °C	3.7	ISO 37
Tear Strength	kN/m	23 °C	20	ISO 6383
Abrasion Resistance	Cu.mm loss	23 °C	500	ISO 53516

Compression Set	Unit	Temperature	Nominal Value	Test Method
72 hours	%	23 °C	12	ISO 815
22 hours	%	70 °C	18	ISO 815
22 hours	%	100 °C	33	ISO 815
72 hours	%	100 °C	35	ISO 815
168 hours	%	100 °C	40	ISO 815
1000 hours	%	100 °C	49	ISO 815

Air-Oven Ageing 14 days @ 125 °C	Unit	Temperature	Nominal Value	Test Method
Hardness Change	Deg		-3	ISO 188
Retained Tensile Strength	%		123	ISO 188
Retained Elongation at Break	%		99	ISO 188

Air-Oven Ageing 7 days @ 150 °C	Unit	Temperature	Nominal Value	Test Method
Hardness Change	Deg		0	ISO 188
Retained Tensile Strength	%		87	ISO 188
Retained Elongation at Break	%		93	ISO 188

Note: the above tests are carried out on injection moulded test pieces

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