

KEPITAL® F20-51

UV resistance with UV carbon black, medium viscosity grade, good for weather resistance purpose
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Rheological properties

Moulding shrinkage range, parallel	2.0 %	ISO 294-4, 2577
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Typical mechanical properties

Tensile Modulus	2500 MPa	ISO 527-1/-2
Yield stress, 50mm/min	62 MPa	ISO 527-1/-2
Yield strain, 50mm/min	9 %	ISO 527-1/-2
Nominal strain at break	25 %	ISO 527-1/-2
Flexural Modulus	2650 MPa	ISO 178
Flexural Strength	88 MPa	ISO 178
Charpy notched impact strength, 23°C	7 kJ/m²	ISO 179/1eA
Poisson's ratio	0.411	

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	92 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 E-6/K	ISO 11359-1/-2

Electrical properties

Volume resistivity	>1E16 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16 Ohm	IEC 62631-3-2
Electric strength	19 kV/mm	IEC 60243-1

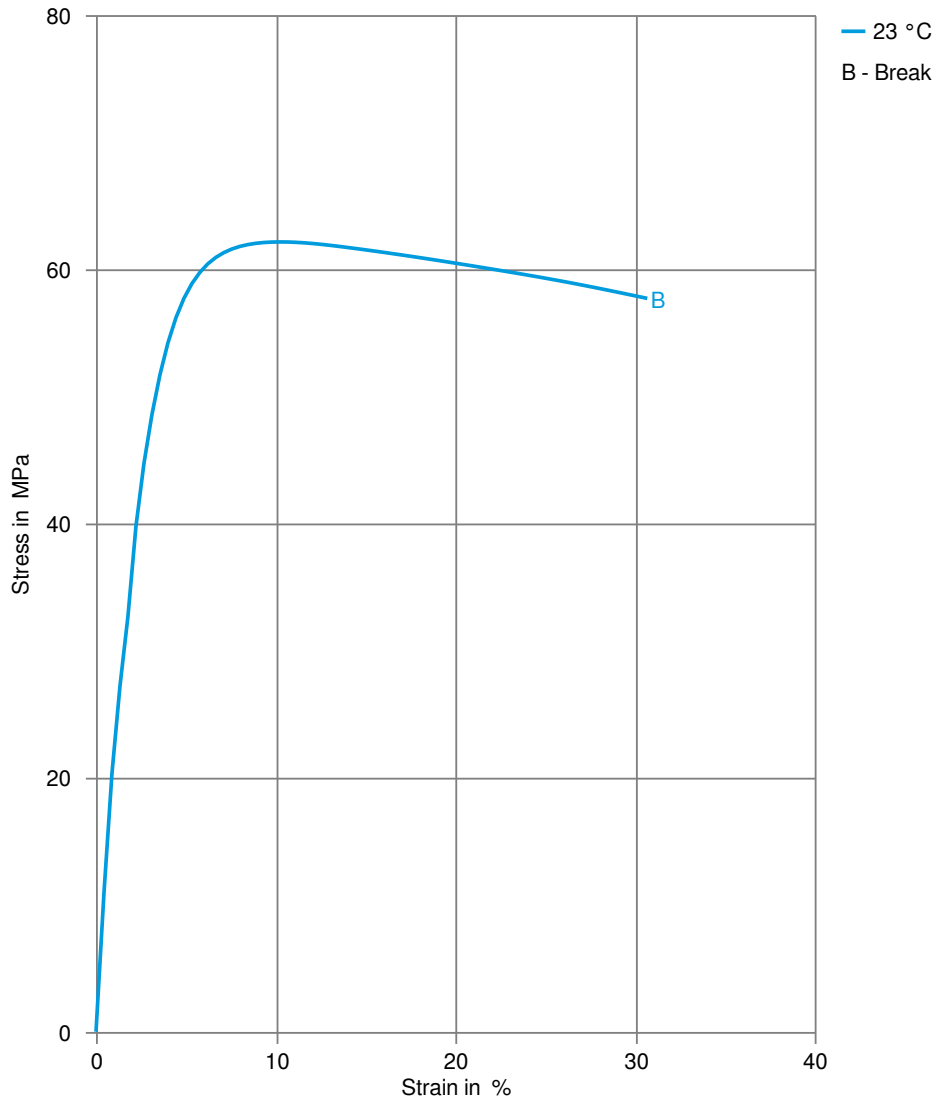
Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Density	1410 kg/m³	ISO 1183



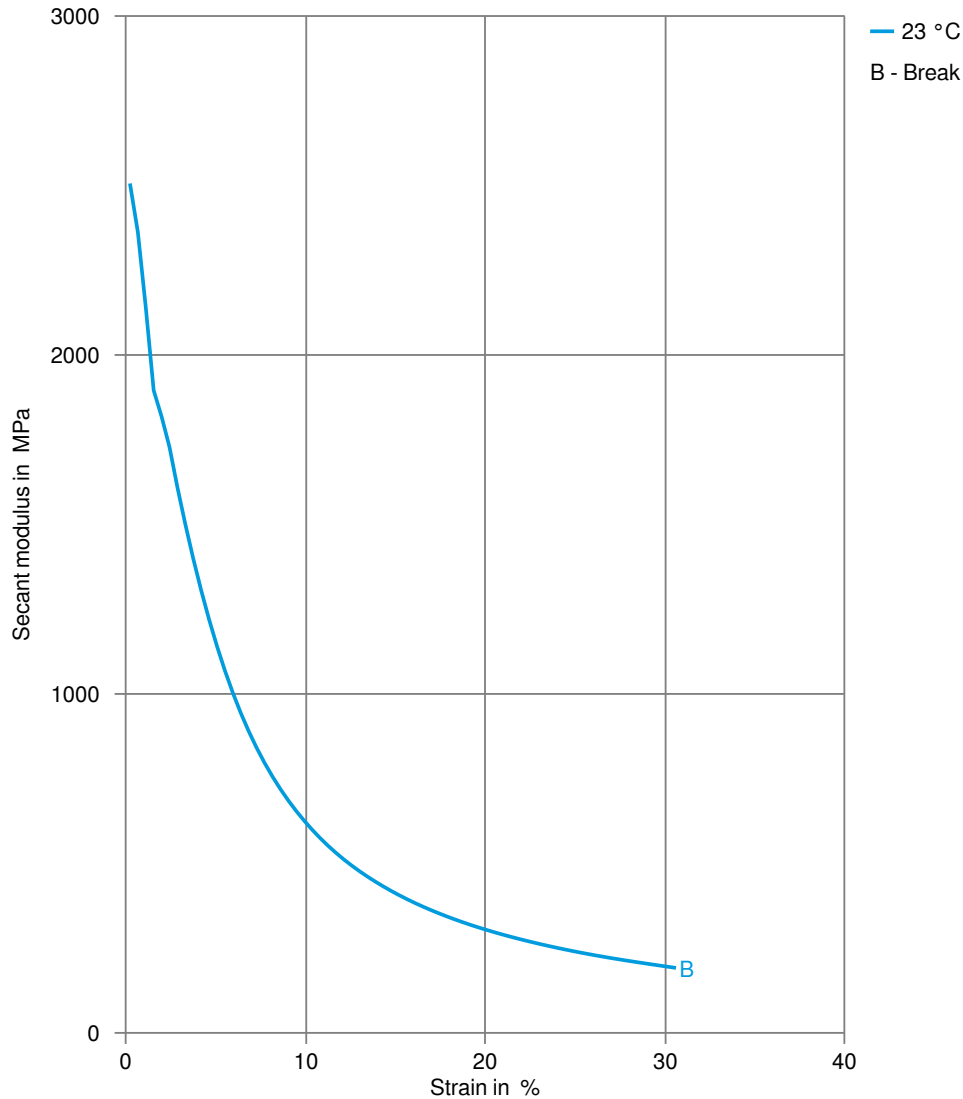
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Stress-strain



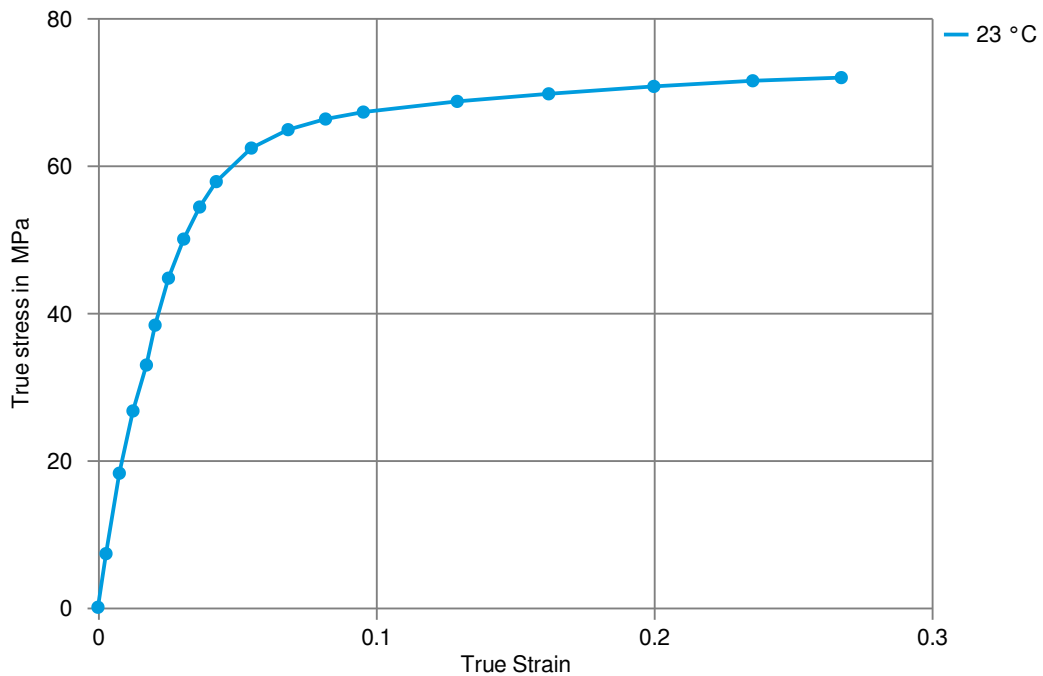
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Secant modulus-strain



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True stress-strain



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Other Approvals

Other Approvals

OEM	Specification	Additional Information
GM	GMP.POM.018	Black

