

VECTRA® J543 VD3071 Cosmos Black

40% Mineral filled, high heat resistance.

Chemical abbreviation according to ISO 1043-1 : LCP Inherently flame retardant

FDA compliant

Typical mechanical properties

Tensile Modulus	9000 MPa	ISO 527-1/-2
Stress at break, 5mm/min	105 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3.3 %	ISO 527-1/-2
Flexural Modulus	10000 MPa	ISO 178
Flexural Strength	120 MPa	ISO 178
Izod notched impact strength, 23°C	5 kJ/m²	ISO 180/1A

Thermal properties

Melting temperature, 10°C/min	350 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	240 °C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	283 °C	ISO 75-1/-2

Other properties

Density	1740 kg/m³	ISO 1183
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Injection

Drying Temperature	150 - 170 °C	
Drying Time, Dehumidified Dryer	6 h	
Processing Moisture Content	0.01 %	
Melt Temperature Optimum	355 °C	Internal
Screw tangential speed	0.07 - 0.42 m/s	
Max. mould temperature	80 - 140 °C	
Injection speed	very fast	

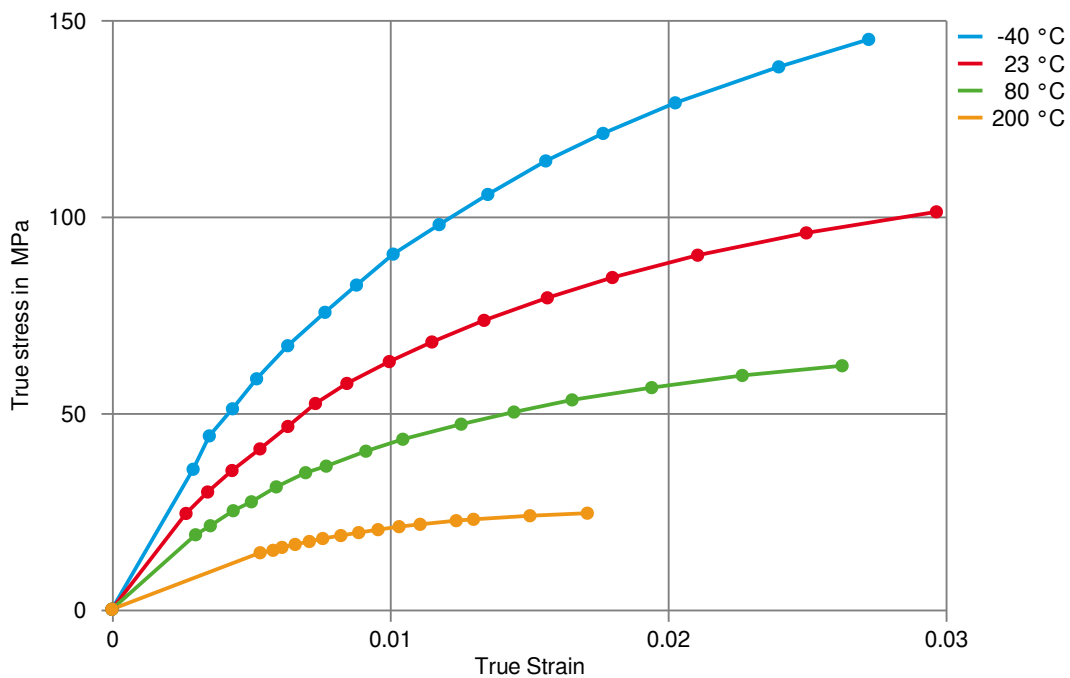
Characteristics

Additives	Mineral Filler
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True stress-strain



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Processing Texts

Pre-drying

VECTRA should in principle be predried. Because of the necessary low maximum residual moisture content the use of dry air dryers is recommended. The dew point should be $\leq -40^{\circ}\text{C}$. The time between drying and processing should be as short as possible.

