

SKX-9058 (PRELIMINARY)

PPS, 50% GF/MF reinforced, impact modified and heat shock resistant
 Fortron SKX-9058 is a 50% glass-fiber and mineral reinforced grade with improved impact and heat shock resistance.

Typical mechanical properties

Stress at break, 5mm/min	165 MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.7 %	ISO 527-1/-2
Flexural Modulus	14500 MPa	ISO 178
Flexural Strength	252 MPa	ISO 178
Charpy impact strength, 23°C	50 kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	10 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	280 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	270 °C	ISO 75-1/-2

Electrical properties

Comparative tracking index M	Group IIIa	IEC 60112
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Other properties

Density	1670 kg/m ³	ISO 1183
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Injection

Drying Temperature	130 - 140 °C
Drying Time, Dehumidified Dryer	3 - 4 h
Screw tangential speed	0.14 - 0.16 m/s
Max. mould temperature	140 - 160 °C

Processing Texts

Pre-drying	Pre-drying conditions: Fortron should, in principle, be pre-dried. Because of the necessary low maximum residual moisture content, the use of dry air dryers is recommended. The dew point should be ≤ -30 deg. C. the time between drying and processing should be as short as possible.
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