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Celanese
The chemistry inside innovation™

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/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	10	kJ/m²	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

Other properties

Density	1670	kg/m³	ISO 1183

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.