201-02 LF 1

Poly(p-phenylene oxide)/Polyamide 66

Product description

Unreinforced, toughened, PPE, high performance PPO/PA blend
SenTherm 201-02 LF 1 is a high-performance thermally conductive resin for extrusion.

Product applications

SenTherm 201-02 LF 1 is a novel thermally conductive extrusion grade polymer. Designed to meet market demand in large metal component replacement. SenTherm 201-02 LF 1 meets the demand of harsh environments, thermal cycling, water contact and high temperature.

Product Information

Resin Identification	PPE/ PA66	ISO 1043

Rheological properties[1)]

Properties	Method	Unit	Typical Value*
Mould shrinkage, parallel [2)]	*ISO 294-4, 2577*	*%*	*0.5*
Mould shrinkage, transversal [2)]	*ISO 294-4, 2577*	*%*	*0.7*

Characteristics [1)]

Properties	Method	Unit	Typical Value*
Density	ISO 1183	Kg/m^3	*1250*
Melt flow rate 280°C @ 10kg	ISO1133/T	g/10 min	12
Thermal conductivity (Injection moulded)	ASTM D7984	W/mK	1
Thermal conductivity (Compression moulded)	ASTM D7984	W/mK	2
Tensile modulus (50mm/min)	ISO 527	MPa	2500
Tensile strength (50mm/min)	ISO 527	MPa	61
Strain at break	ISO 527	%	12

Values in italics are estimated

Date: 03/02/2026

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Characteristics [1)]

Properties	Method	Unit	Typical Value*
Flexural modulus	ISO 178	MPa	3800
Charpy impact (23°C)	*ISO 180/1A*	*Kj/m²*	*12*

Injection [1)]

Properties	Unit	Typical Value*
Drying recommended		Yes
Drying temperature	°C	100-120
Drying time, dehumidified oven	Hours	4
Process moisture content	%	0.15
Melt temperature	°C	290
Min melt temperature	°C	285
Max melt temperature	°C	300
Min mould temperature	°C	-
Max mould temperature	°C	-
Ejection temperature	°C	

1) The information stated on technical data sheets should be used as indicative only for material selection and not utilised for specifications or part and tool design.

2) Measurements have been estimated from moulded laboratory parts; actual shrinkage may be outside these parameters. This is dependant on mould conditions and parameters. Our recommendation is using legacy tooling before cutting on a new moulding tool.

Values in italics are estimated

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