

NEONIT® SK60 L8F

Epoxy; Epoxide

SBHPP

Message:

NEONIT® SK60 L8F is a medium flow long glass fiber reinforced epoxy molding compound with excellent long term property retention over a wide temperature range and climate conditions. It is particularly suited for over molding.

General Information			
Filler / Reinforcement	Long glass fiber		
Features	Medium liquidity		
Uses	overmolding		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/96/EC (WEEE)		
	EU 2006/122/EC		
RoHS Compliance	RoHS compliance		
Appearance	Dark gray		
Forms	flake		
Processing Method	Resin transfer molding		
	Compression molding		

Physical	Nominal Value	Unit	Test Method
Density	1.86	g/cm ³	ISO 1183
Apparent Density	0.50	g/cm ³	ISO 60
Molding Shrinkage	0.090	%	ISO 2577
Water Absorption (Equilibrium, 23°C, 50% RH)	0.050	%	ISO 62
Post Shrinkage	-0.040	%	ISO 2577

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	21000	MPa	ISO 527-2
Tensile Stress	119	MPa	ISO 527-2
Tensile Strain (Break)	0.80	%	ISO 527-2
Flexural Modulus	17000	MPa	ISO 178
Flexural Stress	223	MPa	ISO 178
Compressive Stress	227	MPa	ISO 604

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	52	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	165	°C	TMA
Linear thermal expansion coefficient			TMA
Flow	8.0E-6	cm/cm/°C	TMA

Lateral	5.9E-5	cm/cm/°C	TMA
Thermal Conductivity	0.56	W/m/K	ASTM E1461
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	38	kV/mm	IEC 60243-1
Dissipation Factor (23°C, 1 MHz)	0.022		IEC 60250
Comparative Tracking Index	600	V	IEC 60112

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