

NEONIT® SK60 L8G

Epoxy; Epoxide

SBHPP

Message:

NEONIT® SK60 L8G is a high 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	High 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	1.80	g/cm ³	ISO 1183
Apparent Density	0.50	g/cm ³	ISO 60
Molding Shrinkage	0.14	%	ISO 2577
Water Absorption (Equilibrium, 23°C, 50% RH)	0.060	%	ISO 62
Post Shrinkage	-0.020	%	ISO 2577

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17000	MPa	ISO 527-2
Tensile Stress	96.0	MPa	ISO 527-2
Tensile Strain (Break)	0.60	%	ISO 527-2
Flexural Modulus	15000	MPa	ISO 178
Flexural Stress	204	MPa	ISO 178
Compressive Stress	232	MPa	ISO 604

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	46	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	165	°C	TMA
Linear thermal expansion coefficient			TMA
Flow	6.0E-6	cm/cm/°C	TMA

Lateral	6.9E-5	cm/cm/°C	TMA
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	28	kV/mm	IEC 60243-1
Comparative Tracking Index	600	V	IEC 60112

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