

ALCOM® PA66 910/32.1 GF8 TCE8

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALCOM® PA66 910/32.1 GF8 TCE8 is a Polyamide 66 (Nylon 66) product filled with 8.0% filler and 8.0% glass fiber. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA66 910/32.1 GF8 TCE8 include automotive, electrical/electronic applications, engineering/industrial parts, housings and lighting applications.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Conductive
- Heat Stabilizer

General Information				
Filler / Reinforcement		Filler,8.0% Filler by Weight Glass Fiber,8.0% Filler by Weight		
Additive		Heat Stabilizer		
Features		Electrically Conductive Heat Stabilized Thermally Conductive		
Uses		Automotive Applications Electrical/Electronic Applications Housings Lighting Applications Machine/Mechanical Parts		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.51	--	g/cm ³	ISO 1183
Spiral Flow ¹	25.0	--	cm	
Molding Shrinkage (24 hr)	0.60	--	%	ISO 294-4
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	142	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10400	--	MPa	ISO 527-2
Tensile Stress	52.0	--	MPa	ISO 527-2
Tensile Strain (Break)	0.0	--	%	ISO 527-2
Flexural Modulus	11700	--	MPa	ISO 178

Flexural Stress	88.0	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	2.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	6.0	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	--	°C	ISO 75-2/A
Vicat Softening Temperature	246	--	°C	ISO 306/B50
Thermal Conductivity				
-- ²	3.5	--	W/m/K	ASTM E1461
-- ³	16	--	W/m/K	ASTM E1461
-- ⁴	8.0	--	W/m/K	ISO 22007-2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.5E+2	ohms	IEC 60093
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (3.00 mm)	V-2	--		UL 94
Glow Wire Flammability Index (1.00 mm)	960	--	°C	IEC 60695-2-12
Injection	Dry	Unit		
Drying Temperature - Desiccant Dryer	80.0		°C	
Drying Time - Desiccant Dryer	2.0 to 12		hr	
Processing (Melt) Temp	300 to 320		°C	
Mold Temperature	> 100		°C	
NOTE				
1.	2 mm			
2.	through-plane			
3.	in-plane			
4.	integral			

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