

# ALCOM® PA66 910/30.1 GF15 TCE5

Polyamide 66  
ALBIS PLASTIC GmbH

Message:

ALCOM® PA66 910/30.1 GF15 TCE5 is a Polyamide 66 (Nylon 66) product filled with 5.0% filler and 15% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA66 910/30.1 GF15 TCE5 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,5.0% Filler by Weight Glass Fiber,15% Filler by Weight		
Additive		Heat Stabilizer		
Features		Electrically Conductive Heat Stabilized High Stiffness Thermally Conductive		
Uses		Automotive Applications Electrical/Electronic Applications Housings Lighting Applications Machine/Mechanical Parts		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.47	--	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage (24 hr)	0.70	--	%	ISO 294-4
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	150	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9500	--	MPa	ISO 527-2
Tensile Stress	60.0	--	MPa	ISO 527-2
Tensile Strain (Break)	1.0	--	%	ISO 527-2

Flexural Modulus	10000	--	MPa	ISO 178
Flexural Stress	100	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	3.0	--	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	15	--	kJ/m <sup>2</sup>	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	250	--	°C	ISO 306/B50
Thermal Conductivity				
-- <sup>1</sup>	2.6	--	W/m/K	ASTM E1461
-- <sup>2</sup>	11	--	W/m/K	ASTM E1461
--	5.0	--	W/m/K	ISO 22007-2.2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	< 1.0E+3	ohms	IEC 60093
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (3.00 mm)	V-0	--		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 to 120		°C	
NOTE				
1.	through-plane			
2.	in-plane			

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