

# ALCOM® PA6 900/13 GF15 MRX45

Polyamide 6  
ALBIS PLASTIC GmbH

Message:

ALCOM® PA6 900/13 GF15 MRX45 is a Polyamide 6 (Nylon 6) product filled with 15% glass fiber and 45% mineral. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® PA6 900/13 GF15 MRX45 include automotive and housings.

Characteristics include:

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

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight Mineral,45% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized High Density		
Uses		Automotive Applications Housings		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Physical	Dry	Conditioned	Unit	Test Method
Density	2.00	--	g/cm <sup>3</sup>	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9000	--	MPa	ISO 527-2
Tensile Stress (Break)	100	--	MPa	ISO 527-2
Tensile Strain (Break)	1.8	--	%	ISO 527-2
Flexural Modulus	8500	--	MPa	ISO 178
Flexural Stress	150	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	9.0	--	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	40	--	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	--	°C	ISO 75-2/A
Vicat Softening Temperature	210	--	°C	ISO 306/B50

Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	5.0E+2	ohms	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.750 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature - Desiccant Dryer	80.0		°C	
Drying Time - Desiccant Dryer	2.0 to 12		hr	
Processing (Melt) Temp	270 to 290		°C	
Mold Temperature	80.0 to 100		°C	

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#### Recommended distributors for this material

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