

# ALCOM® ABS 530/3 GY31-749MCF

Acrylonitrile Butadiene Styrene

ALBIS PLASTIC GmbH

## Message:

ALCOM® ABS 530/3 GY31-749MCF is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Applications of ALCOM® ABS 530/3 GY31-749MCF include appliances, construction applications, electrical/electronic applications and housings.

Characteristics include:

REACH Compliant

RoHS Compliant

High Flow

General Information			
Features	High Flow		
Uses	Appliances		
	Construction Applications		
	Electrical/Electronic Applications		
	Housings		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Metallized - Colors		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	35.0	cm <sup>3</sup> /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	105	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress (Break)	35.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength	20	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	

Drying Temperature		
Circulation Dryer	80.0	°C
Desiccant Dryer	80.0	°C
Drying Time		
Circulation Dryer	3.0 to 6.0	hr
Desiccant Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	50.0 to 80.0	°C

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#### Recommended distributors for this material

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