

VITAMIDE® AR39GY6599

Polyamide 66
Jackdaw Polymers

Message:

VITAMIDE® AR39GY6599 is a Polyamide 66 (Nylon 66) product filled with 43% glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.80	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Yield	220	MPa	ISO 527-2
--	220	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	11000	MPa	ASTM D790, ISO 178
Flexural Strength	300	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹	70.0	kJ/m²	ASTM D256
Charpy Unnotched Impact Strength	70	kJ/m²	ISO 179
Notched Izod Impact Strength	15	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	260	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	260	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	260	°C	ASTM D2117, ISO 1218
CLTE - Flow	2.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257, IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			

1. Method A

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