

VITAMIDE® AR16YL6024

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AR16YL6024 is a Polyamide 66 (Nylon 66) product filled with 30% glass fiber. It is available in Europe.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Yellow		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	0.33	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.80	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	165	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.5	%	ASTM D638, ISO 527-2
Flexural Modulus	8200	MPa	ASTM D790, ISO 178
Flexural Stress			
--	260	MPa	ISO 178
Break	260	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m²	ISO 179
Charpy Notched Impact Strength ¹	11.0	kJ/m²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	255	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	255	°C	ASTM D648, ISO 75-2/A
Melting Temperature	260	°C	ASTM D2117, ISO 1218
NOTE			
1.	Method B		

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