

Vitaster® UY16BK6591

Polyamide 66
Jackdaw Polymers

Message:

Vitaster® UY16BK6591 is a Polyamide 66 (Nylon 66) product filled with 30% glass fiber. It is available in Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm ³	ASTM D792, ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	135	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.0	%	ASTM D638, ISO 527-2
Flexural Modulus	9800	MPa	ASTM D790, ISO 178
Flexural Strength	215	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	35	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	220	°C	ASTM D648, ISO 75-2/B
Melting Temperature	225	°C	ISO 1218, ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257, IEC 60093
Comparative Tracking Index			
Solution A	250	V	IEC 60112
--	250	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
	V-2		
0.800 mm	V-1		
1.60 mm	V-0		
Oxygen Index	31	%	ASTM D2863, ISO 4589-2

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