

VITAMIDE® BF10GY6070

Polyamide 6
Jackdaw Polymers

Message:

VITAMIDE® BF10GY6070 is a Polyamide 6 (Nylon 6) product. It is available in Europe.

Characteristics include:

Flame Rated
Flame Retardant

General Information			
Features	Flame Retardant		
Appearance	Grey		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.90	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	70.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	16	%	ASTM D638, ISO 527-2
Flexural Modulus	2900	MPa	ASTM D790, ISO 178
Flexural Strength	65.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	16	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	160	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	220	°C	ISO 1218, ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257, IEC 60093
Dielectric Strength	19	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	550	V	IEC 60112
-- 1	550	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	30	%	ASTM D2863, ISO 4589-2
NOTE			
1.	Solution A		

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