

Vitaster® UY36BK6435

Polybutylene Terephthalate

Jackdaw Polymers

Message:

Vitaster® UY36BK6435 is a Polybutylene Terephthalate (PBT) product filled with 30% glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	115	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.5	%	ASTM D638, ISO 527-2
Flexural Modulus	8500	MPa	ASTM D790, ISO 178
Flexural Stress			
--	180	MPa	ISO 178
Break	180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	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
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257, IEC 60093
Dielectric Strength	20	kV/mm	ASTM D149, IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94

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