

Vitaster® UP36NT6639

Polybutylene Terephthalate

Jackdaw Polymers

Message:

Vitaster® UP36NT6639 is a Polybutylene Terephthalate (PBT) product filled with 15% glass bead and 15% glass fiber. It is available in Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Bead,15% Filler by Weight		
	Glass Fiber,15% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	80.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.0	%	ASTM D638, ISO 527-2
Flexural Modulus	5900	MPa	ASTM D790, ISO 178
Flexural Strength	120	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	26	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	180	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ASTM D648, ISO 75-2/A
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	300	V	IEC 60112
--	300	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	21	%	ASTM D2863, ISO 4589-2

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