

Vitaster® US70WT6601

Polybutylene Terephthalate

Jackdaw Polymers

Message:

Vitaster® US70WT6601 is a Polybutylene Terephthalate (PBT) product. It is available in Europe. Primary characteristic: flame rated.

General Information			
Appearance	White		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.25	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	56.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	> 10	%	ASTM D638, ISO 527-2
Flexural Modulus	2200	MPa	ASTM D790, ISO 178
Flexural Strength	75.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	165	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	225	°C	ISO 1218, ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257, IEC 60093
Dielectric Strength	50	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	> 600	V	IEC 60112
-- 1	> 600	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	22	%	ASTM D2863, ISO 4589-2
NOTE			

1. Solution A

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