

Vitaster® UY32WT6254

Polybutylene Terephthalate

Jackdaw Polymers

Message:

Vitaster® UY32WT6254 is a Polybutylene Terephthalate (PBT) product filled with 10% glass fiber. It is available in Europe.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Appearance	White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.16	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	85.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	5000	MPa	ASTM D790, ISO 178
Flexural Stress			
--	125	MPa	ISO 178
Break	125	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	25	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	210	°C	ASTM D648, ISO 75-2/B
Peak Melting Temperature	225	°C	ASTM D2117, ISO 1218
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257, IEC 60093
Dielectric Strength	28	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index (Solution A)	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13

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