

Vitaster® UR76WT6240

Polybutylene Terephthalate

Jackdaw Polymers

Message:

Vitaster® UR76WT6240 is a Polybutylene Terephthalate (PBT) product filled with 30% glass fiber. It is available in Europe.

Characteristics include:

- Flame Rated
- Heat Stabilizer
- UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Heat Stabilized		
Appearance	White		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	130	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.0	%	ASTM D638, ISO 527-2
Flexural Modulus	9600	MPa	ASTM D790, ISO 178
Flexural Stress			
--	190	MPa	ISO 178
Break	190	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	7.00	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	40.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	40	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
1.8 MPa, Unannealed	205	°C	ASTM D648, ISO 75-2/A
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	25	kV/mm	ASTM D149, IEC 60243-1

Comparative Tracking Index			
Solution A	400	V	IEC 60112
-- 3	400	V	ASTM D3638
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	20	%	ASTM D2863, ISO 4589-2
NOTE			
1.	Method B		
2.	Method A		
3.	Solution A		

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