

Vitaster® UY74BK6198

Polybutylene Terephthalate

Jackdaw Polymers

Message:

Vitaster® UY74BK6198 is a Polybutylene Terephthalate (PBT) product filled with 20% glass fiber. It is available in Europe.

Characteristics include:

- Flame Rated
- Flame Retardant
- Heat Stabilizer
- UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Halogen		
	Heat Stabilizer		
	UV Stabilizer		
Features	Flame Retardant		
	Halogenated		
	Heat Stabilized		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	0.60	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	110	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	6700	MPa	ASTM D790, ISO 178
Flexural Stress			
--	166	MPa	ISO 178
Break	166	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹	59.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	59	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	215	°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

Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature (30 sec)	850	°C	IEC 60695-2-13
Oxygen Index	31	%	ASTM D2863, ISO 4589-2
NOTE			
1.	Method A		

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