

Vitaster® US10NT6182

Polybutylene Terephthalate

Jackdaw Polymers

Message:

Vitaster® US10NT6182 is a Polybutylene Terephthalate (PBT) product. It is available in Europe. Primary characteristic: flame rated.

General Information			
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	0.25	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	40.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	30	%	ASTM D638, ISO 527-2
Flexural Modulus	2400	MPa	ASTM D790, ISO 178
Flexural Stress			
--	80.0	MPa	ISO 178
Break	80.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	160	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	223	°C	ASTM D2117, ISO 1218
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms·cm	ASTM D257, IEC 60093
Dielectric Strength	25	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	300	V	IEC 60112
-- 1	300	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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