

Vitaster® UW36BK6478

Polybutylene Terephthalate

Jackdaw Polymers

Message:

Vitaster® UW36BK6478 is a Polybutylene Terephthalate (PBT) product. It is available in Europe.

Characteristics include:

Flame Rated

Heat Stabilizer

General Information			
Additive	Heat Stabilizer		
Features	Antistatic		
	Heat Stabilized		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	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 Stress			
Yield	80.0	MPa	ISO 527-2
--	80.0	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638, ISO 527-2
Flexural Modulus	5000	MPa	ASTM D790, ISO 178
Flexural Strength	120	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength ¹	45.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	45	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	200	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	180	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	225	°C	ASTM D2117, ISO 1218
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.1E+6	ohms · cm	ASTM D257, IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Oxygen Index	20	%	ASTM D2863, ISO 4589-2
NOTE			

1. Method A

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