

VITAMIDE® AR38BK8508

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AR38BK8508 is a Polyamide 66 (Nylon 66) product filled with 40% glass fiber. It is available in Europe. Primary characteristic: heat stabilizer.

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792, ISO 1183
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2.00	MPa	ISO 527-2
Tensile Stress			
Yield	200	MPa	ISO 527-2
--	200	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638, ISO 527-2
Flexural Modulus	10500	MPa	ASTM D790, ISO 178
Flexural Strength	290	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	12	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	12.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	75.0	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength	75	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	255	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	255	°C	ASTM D648, ISO 75-2/A
Peak Melting Temperature	260	°C	ASTM D2117, ISO 1218
CLTE - Flow	2.4E-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	35	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	450	V	IEC 60112
--	450	V	ASTM D3638

Flammability	Nominal Value	Unit	Test Method
Oxygen Index	23	%	ASTM D2863, ISO 4589-2
NOTE			
1.	Method B		
2.	Method A		

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