

VITAMIDE® AA38NT6454

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AA38NT6454 is a Polyamide 66 (Nylon 66) product filled with 40% glass fiber. It is available in Europe, Latin America, or North America. Characteristics include:
Flame Rated
Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	PTFE Lubricant		
Features	Lubricated		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm³	ASTM D792, ISO 1183
Water Absorption			
24 hr	0.70	%	ASTM D570
23°C, 24 hr	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			
Break	200	MPa	ISO 527-2
--	200	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	9800	MPa	ASTM D790, ISO 178
Flexural Strength	280	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	85	kJ/m²	ISO 179
Notched Izod Impact Strength	13	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	245	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	240	°C	ASTM D648, ISO 75-2/A
Melting Temperature	260	°C	ISO 1218, ASTM D2117
CLTE - Flow	2.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257, IEC 60093
Dielectric Strength	24	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
Flame Rating	HB		UL 94
Oxygen Index	23	%	ASTM D2863, ISO 4589-2

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China

