

VITAMIDE® AS30VN6457

Polyamide 66

Jackdaw Polymers

Message:

VITAMIDE® AS30VN6457 is a Polyamide 66 (Nylon 66) product. It is available in Europe. Primary characteristic: flame rated.

General Information			
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage	1.5	%	Internal Method
Water Absorption			
24 hr	1.5	%	ASTM D570
23°C, 24 hr	1.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	75.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	30	%	ASTM D638, ISO 527-2
Flexural Modulus	2800	MPa	ASTM D790, ISO 178
Flexural Stress			
--	105	MPa	ISO 178
Break	105	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.5	kJ/m ²	ISO 179
Charpy Notched Impact Strength ¹	4.50	kJ/m ²	ASTM D256
Charpy Unnotched Impact Strength ²	No Break		ASTM D256
Charpy Unnotched Impact Strength	No Break		ISO 179
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	190	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature	> 230	°C	ISO 306/B50
Melting Temperature	260	°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	28	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	600	V	IEC 60112
-- ³	600	V	ASTM D3638

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
Glow Wire Flammability Index (1.50 mm)	850	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.50 mm)	700	°C	IEC 60695-2-13
Oxygen Index	27	%	ASTM D2863, ISO 4589-2

NOTE

1. Method A
2. Method A
3. Solution A

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