VITAMIDE® BF13RD6339

Polyamide 6

Jackdaw Polymers

Message:

VITAMIDE® BF13RD6339 is a Polyamide 6 (Nylon 6) product. It is available in Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
Appearance	Red		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.16	g/cm³	ASTM D792, ISO 1183
Water Absorption			
24 hr	1.0	%	ASTM D570
23°C, 24 hr	1.0	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			
Break	80.0	MPa	ISO 527-2
--	80.0	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638, ISO 527-2
Flexural Modulus	3200	MPa	ASTM D790, ISO 178
Flexural Strength	95.0	MPa	ASTM D790, ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength	3.5	kJ/m²	ISO 180
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	75.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	218	°C	ISO 1218, ASTM D2117
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+15	ohms	ASTM D257, IEC 60093
Dielectric Strength	37	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index			
Solution A	600	V	IEC 60112
--	600	V	ASTM D3638
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
0.750 mm	850	°C	
1.50 mm	850	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13

0.750 mm	775	°C	
1.50 mm	775	°C	
Oxygen Index	> 30	%	ASTM D2863, ISO 4589-2

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