

VENYL UEL030

Polyamide 66

AD majoris

Message:

VENYL UEL030 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

Eco-Friendly/Green

General Information			
Features	Recyclable Material		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Molding Shrinkage	1.6 to 2.3	%	
Water Absorption			
Saturation, 23°C	7.0	%	
Equilibrium, 23°C, 50% RH	2.2 to 2.4	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress (Break)	63.0	MPa	ISO 527-2
Tensile Strain (Yield)	13 to 45	%	ISO 527-2
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress	77.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	20	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	213	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Peak Melting Temperature	256	°C	ASTM D2117
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	DIN 53480
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.59 mm	HB		
3.18 mm	HB		
Oxygen Index	22	%	ASTM D2863
Injection	Nominal Value	Unit	

Rear Temperature	270 to 285	°C
Middle Temperature	265 to 280	°C
Front Temperature	260 to 275	°C
Nozzle Temperature	260 to 275	°C
Mold Temperature	75.0 to 85.0	°C
Injection Pressure	60.0 to 90.0	MPa
Injection Rate	Fast	
Holding Pressure	35.0 to 60.0	MPa
Screw L/D Ratio	15.0:1.0 to 20.0:1.0	

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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

