INV Nylon Polymers Americas, LLC
4111 E 37th St N
Wichita, KS 67220 United States

File Number: E333734

U4630HSL (r1)(f1)

Polyamide 66 (PA66), heat stabilized, pellets

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
(r1) - Virgin and regrind up to 50% by weight inclusive have the same basic characteristics

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ALSO CERTIFIED TO IEC REQUIREMENTS

Flammability	Value	Test Method
Flame Rating		UL 94 IEC 60695-11-10, -20
0.40 mm, ALL	V-2	
0.71 mm, ALL	V-2	
1.5 mm, ALL	V-2	
3.0 mm, ALL	V-2	
Glow Wire Flammability Index		IEC 60695-2-12
0.71 mm	960 °C	
1.5 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.71 mm	960 °C	
1.5 mm	900 °C	
3.0 mm	750 °C	
Electrical	**Value**	**Test Method**
Hot-wire Ignition (HWI)		UL 746A
1.5 mm	PLC 3	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Dielectric Strength	18 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Volume Resistivity	1.0E+10 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Comparative Tracking Index	600 V	IEC 60112
Thermal	**Value**	**Test Method**
RTI Elec		UL 746B
0.40 mm	140 °C	
0.71 mm	140 °C	
1.5 mm	140 °C	
3.0 mm	140 °C	
RTI Imp		UL 746B
0.40 mm	105 °C	
0.71 mm	105 °C	
1.5 mm	110 °C	
3.0 mm	110 °C	

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Component - Plastics

U4630HSL (r1)(f1)

Thermal	Value	Test Method
RTI Str		UL 746B
0.40 mm	120 °C	
0.71 mm	120 °C	
1.5 mm	125 °C	
3.0 mm	125 °C	

Physical	Value	Test Method
Dimensional Change	0.13 %	ASTM D1042 ISO 2796
Outdoor Suitability	f1	UL 746C

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