



Component - Plastics

File Number: E86615

A. Schulman GmbH
 HUETTENSTRASSE 130-138.
 KERPEN, 50170 Germany



SCHULAMID: 6 MV 14 GW FR

Polyamide 6 (PA6), pellets

NOTE - All designations may be followed by numerical suffixes indicating color

Flammability	Value	Test Method
Flame Rating		UL 94
0.015 in, NC	V-0	
0.030 in, ALL	V-0	
0.06 in, ALL	V-0	
0.12 in, ALL	V-0	
Flammability Classification		IEC 60695-11-10, -20
0.015 in, NC	V-0	
0.030 in, ALL	V-0	
0.06 in, ALL	V-0	
0.12 in, ALL	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.015 in	1760 °F	
0.030 in	1760 °F	
0.06 in	1760 °F	
0.12 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.015 in	1760 °F	
0.030 in	1760 °F	
0.06 in	1520 °F	
0.12 in	1430 °F	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.015 in	PLC 3	
0.030 in	PLC 3	
0.06 in	PLC 3	
0.12 in	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.015 in	PLC 0	
0.030 in	PLC 0	
0.06 in	PLC 0	
0.12 in	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	460 V/mil	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Volume Resistivity	1.0E+15 ohms·cm	ASTM D257
Volume Resistivity	1.0E+15 ohms·cm	IEC 60093
Arc Resistance	PLC 5	ASTM D495
Comparative Tracking Index	600 V	IEC 60112



Component - Plastics

File Number: E86615

Thermal	Value	Test Method
RTI Elec		UL 746B
0.015 in	266 °F	
0.030 in	266 °F	
0.06 in	266 °F	
0.12 in	266 °F	
RTI Imp		UL 746B
0.015 in	176 °F	
0.030 in	176 °F	
0.06 in	185 °F	
0.12 in	185 °F	
RTI Str		UL 746B
0.015 in	221 °F	
0.030 in	221 °F	
0.06 in	239 °F	
0.12 in	239 °F	
Ball Pressure Test (383°F)	Pass	IEC 60695-10-2
Physical	Value	Test Method
Dimensional Change	0.0 %	ASTM D1042
Dimensional Change	0.0 %	ISO 2796

Notice of Disclaimer

By accessing this Yellow Card data information sheet and the database from which this information was generated (the "Yellow Card"), the user acknowledges and accepts the terms and conditions upon which this Yellow Card is made available. This Yellow Card, the database from which it was generated, and all related materials, support, and services, are made available by UL for use only by permission and "as is", without any representation or warranty of any kind, express or implied, including but not limited to any implied warranties of merchantability, fitness for a particular purpose or that the products identified in this Yellow Card will satisfy the user's requirements. UL cannot and does not warrant that the data contained in this Yellow Card is current, accurate, or complete. The user must independently confirm the conformance of any product to the applicable standards or requirements with the manufacturer of that product. Permission to access this Yellow Card may be withdrawn at any time by UL in its sole discretion. The identification of products and companies on this Yellow Card does not in any way imply endorsement of those products or companies by UL. UL does not assume and expressly disclaims, liability to any person for any loss or damage (including lost profits, lost savings, or any indirect, special, incidental, consequential or punitive damages whether or not UL has been advised of the possibility of such damages) arising out of, or in connection with, the use of this Yellow Card regardless of the cause or causes of such loss or damage.