



# Component - Plastics

File Number: E86615

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



## SCHULAMID: 6 GF (h) FR 4 K1681

Polyamide 6 (PA6), pellets

(h) - 1 or 2 digits between 5 and 15 indicating glass fiber content

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

Flammability	Value	Test Method
Flame Rating		UL 94
0.015 in, ALL	V-2	
0.030 in, ALL	V-2	
0.06 in, ALL	V-2	
0.12 in, ALL	V-2	
Flammability Classification		IEC 60695-11-10, -20
0.015 in, ALL	V-2	
0.030 in, ALL	V-2	
0.06 in, ALL	V-2	
0.12 in, ALL	V-2	
Glow Wire Flammability Index		IEC 60695-2-12
0.015 in	1610 °F	
0.030 in	1710 °F	
0.06 in	1760 °F	
0.12 in	1760 °F	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.015 in	1520 °F	
0.030 in	1520 °F	
0.06 in	1520 °F	
0.12 in	1520 °F	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.015 in	PLC 4	
0.030 in	PLC 4	
0.06 in	PLC 2	
0.12 in	PLC 0	
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 2	UL 746A
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	



Component - Plastics

File Number: E86615

Thermal	Value	Test Method
RTI Imp		UL 746B
0.015 in	167 °F	
0.030 in	194 °F	
0.06 in	212 °F	
0.12 in	212 °F	
RTI Str		UL 746B
0.015 in	212 °F	
0.030 in	230 °F	
0.06 in	248 °F	
0.12 in	248 °F	
Ball Pressure Test (392°F)	Pass	IEC 60695-10-2

**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 Permission to access this Yellow Card may be withdrawn at any time by UL in its sole discretion.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.