

PRODUCT INFORMATION

# Fire safety at home (IEC 60335)

Reliable GWIT materials for different applications



To meet the requirements of unattended household appliances, products with enhanced flammability properties are necessary.

LyondellBasell offers different materials which comply to IEC 60335.

**Requirements:**

- GWIT > 775°C for all wall thicknesses
- Good RTI performance
- Electrical properties, CTI > 250 V
- Ball pressure test > 125°C



Typical properties

Properties	Units	Schulamid 6 MV 14 GW FR	Schulamid 6 MV 14 FR 4 K1681	Schulamid 6 GF 15 FR 4 K1681	Schulamid 6 MGF 45 FR 6	Schulamid 66 MV5 FR
		PA 6, unfilled, V0	PA 6, unfilled, V2	PA 6, GF15, V2	PA 6, MGF45, V0	PA 66, unfilled, V0
UL 94		V-0 @ 0.4 mm	V-2 @ 0.38 mm	V-2 @ 0.38 mm	V-0 @ 1.5 mm	V-0 @ 0.38 mm
GWIT	°C	775	825	825	800	775
RTI elec	°C	130	130	130	65	140
RTI imp	°C	80	90	90	65	115
RTI str	°C	105	110	110	65	115
CTI	V	600	300	275	600	600

Properties	Units	Schulamid 66 GF 25 FR 5 A	Schulamid 66 MW 30 FR 4 K2031	Schuladur E GF 30 FR 5	Polyflam RPP 60335 CS1 5V	Polyflam RPP 3225 GW
		PA 66, GF25, V0	PA 66, M30, V0	PET, GF 30, V0	PP-Homo, M25, V0	PP-Homo, GF25, V0
UL 94		V-0 @ 0.5 mm	V-0 @ 3 mm	V-0 @ 0.75 mm	V-0 @ 0.75 mm	V-0 @ 1.5 mm
GWIT	°C	900	875	930	800	850
RTI elec	°C	130	65	155	65	65
RTI imp	°C	105	65	140	65	65
RTI str	°C	105	65	140	65	65
CTI	V	400	300	300	600	600

- halogen-free
- yellow card available

# ABOUT US

**LyondellBasell (NYSE: LYB)** is one of the largest plastics, chemicals and refining companies in the world. Driven by its employees around the globe, LyondellBasell produces materials and products that are key to advancing solutions to modern challenges like enhancing food safety through lightweight and flexible packaging, protecting the purity of water supplies through stronger and more versatile pipes, improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road, and ensuring the safe and effective functionality in electronics and appliances. LyondellBasell sells products into more than 100 countries and is the world's largest producer of polymer compounds and the largest licensor of polyolefin technologies. More information about LyondellBasell can be found at [www.LyondellBasell.com](http://www.LyondellBasell.com).

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