

# MATERIAL SURVEY

| Short Designation | Chemical Designation       | Brand Name           | Supplier | UL-Certificate No.  | self-extinguishing properties | glow wire test |                |            | comparative tracking index CTI | insulation class | Notes |
|-------------------|----------------------------|----------------------|----------|---------------------|-------------------------------|----------------|----------------|------------|--------------------------------|------------------|-------|
|                   |                            |                      |          |                     |                               | acc. UL 94     | IEC 60695-2-11 | IEC GWIT   |                                |                  |       |
| PA 6              | Nylon 6<br>(B-Polyamide)   | Durethan BKV 30H 3.0 | Lanxess  | E 245249 21.04.2017 | 94-HB                         | 700 (0,80)     | 750 (0,75)     | 700 (0,75) | 475                            | B (130°)         | ②     |
|                   |                            | Durethan BG30 XH 3.0 | Lanxess  | E 245249 26.05.2017 | 94-HB                         | 650            |                |            | 400                            | B (130°)         | ①     |
|                   |                            | Zytel 73G30L         | Du Pont  | E 41938 10.03.2004  | 94-HB                         | 700            |                |            | 400                            | B (130°)         | ②     |
| PA 4.6            | Nylon 4.6                  | Stanyl TW 200 F6     | DSM      | E 47960 29.05.2013  | 94-HB                         |                |                |            | 300                            |                  |       |
| PA 6.6            | Nylon 6.6<br>(A-Polyamide) | Durethan AKV 30H 3.0 | Lanxess  | E 245249 12.12.2012 | 94-HB                         | 650 (0,80)     | 725 (0,75)     | 700 (0,75) | 500                            | B (130°)         | ②     |
|                   |                            | Ultradur A3X2G5      | BASF     | E 41871 23.08.2019  | 94-V0 (0,81)                  | 960            |                |            | 550                            | B (130°)         | ②     |
|                   |                            | Ultradur A3X2G7      | BASF     | E 41871 04.03.2013  | 94-V0 (0,75)                  | 960            |                |            | 600                            | B (130°)         | ②     |
|                   |                            | Bergamid A700G30H    | Poly One | E 76261 05.12.2012  | 94-HB                         | 650            |                |            | 500                            | B (130°)         |       |
| PA 6.6/6          | Nylon 6.6/6<br>(Copolymer) | Zytel FR 72G25 V0    | Du Pont  | E 41938 18.05.2015  | 94-V0 (0,50)                  | 960            |                |            | 325                            | B (130°)         | ②     |
| PBT               | Polybutylene-terephthalate | Ultradur B4300G6     | BASF     | E 41871 29.11.2019  | 94-HB                         | 650            |                |            | 375                            | B (130°)         | ②     |
|                   |                            | Arnite TV4 261       | DSM      | E 47960 30.11.2011  | 94-HB                         | 650            |                |            | 400                            | B (130°)         | ②     |
|                   |                            | Pocan B 4239         | Lanxess  | E 245249 20.05.2016 | 94-V0 (0,8)                   | 960            | 725 (0,75)     | 960 (0,75) | 275                            | F (155°)         | ②     |
|                   |                            | Crastin SK645FR      | Du Pont  | E 41938 12.03.2014  | 94-V0 (0,75)                  | 960            |                |            | 250                            | F (155°)         | ②     |
| PET               | Polyethylene-terephthalate | Rynite FR 530L       | Du Pont  | E 41938 13.03.2019  | 94-V0 (0,35)                  | 960            | 800 (0,75)     | 960 (0,75) | 250                            | H (180°)         | ②     |
| PPS               | Polyphenylen-sulfide       | Fortron 1140 L4      | Celanese | E 107854 24.06.2019 | 94-V0 (0,38)                  | 960            |                |            | 125                            | 200 (200°)       |       |
| LCP               | Liquid crystal polymer     | Vectra E130i         | Celanese | E 83005 31.08.2018  | 94-V0 (0,38)                  | 960            | 825 (0,38)     | 960 (0,38) | 175                            |                  |       |
| PEEK              | Polyetheretherketone       | Victrex 150 GL 30    | Victrex  | E 161131 19.12.2012 | 94-V0 (0,75)                  | 960            |                |            | 150                            |                  |       |

These informations and datas are taken from the recently available documents of the respective supplier.

① Material for boxes

② UL-tested Insulationsystems acc. UL-1446 / IEC 85 are available from the supplier for these materials.