

Flame Retardant Materials

For availability and orders:
nexeoplastics.com
welcome@nexeoplastics.com
+34 93 480 91 25



OUR SUPPLIERS





FF311SF-9502, FJ081HP-9502, FE011HP-9502, FD211SF-9502



Halogen Free Flame Retardant PP compounds with balanced mechanical properties enabling low weighting and lowered carbon footprint

MATERIAL DESCRIPTION

- V0 1.6mm
- Halogen free FR
- Yellow cards/UL listing
- Stabilized for contact with metals
- Sustainable solution through a low carbon footprint
- European compounding

MATERIAL APPLICATIONS

Batteries, charging stations, E&E, E-mobility



MB25-502



Best-in-class processing for wire and cable at a competitive price

MATERIAL DESCRIPTION

- High molecular weight siloxane polymer
- Improved inorganic flame retardants distribution
- Very good cable surface quality
- Applicable with broad cable extrusion speed range
- Working well with different cable diameters
- Limits die pressure build-up and plate-out
- Reduces extruder screw torque by up to 30%
- Increases throughput by up to 110%
- Delivers best-in class processability

MATERIAL APPLICATIONS

Masterbatch



PA66 RPG25 BK004



PA66 RPG25 BK004 is a halogen free v0 polyamide 55 with outstanding thermal and mechanical properties. Its excellent processability makes it an excellent choice for E&E parts.

MATERIAL DESCRIPTION

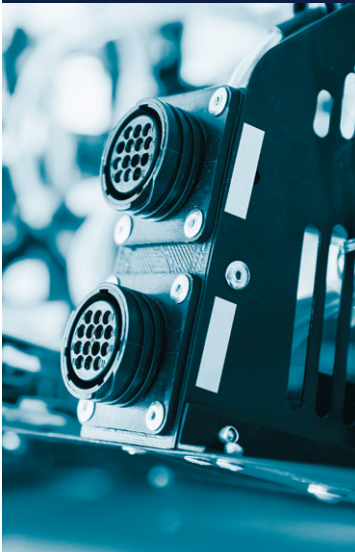
- 25% Glass Fiber
- High strength
- Flame retardant V0 at 0.8 mm
- High heat resistance
- Halogen free
- Good electrical properties
- No blooming

MATERIAL APPLICATIONS

Electrical and electronic parts

KINGFA

PA6 NPG30



New halogen free high reinforced polyamide PA6 NPG30 allows perfect combination of electrical properties along with significant reduction on material density.

MATERIAL DESCRIPTION

- Flame-retardancy UL94 V0
- Halogen and red phosphorus free
- Low density
- Strength & stiffness

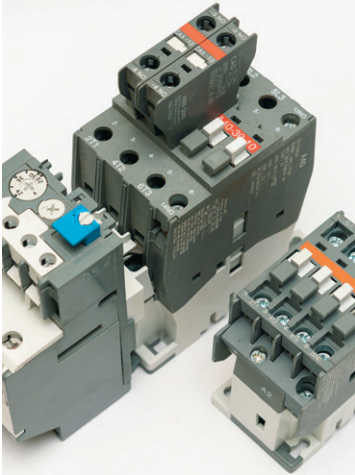
MATERIAL APPLICATIONS

Connectors, bobbins, E&E articles

KINGFA



PPA ForTii T11



ForTii® is a breakthrough high temperature polyamide with halogen-free and halogen containing flame retardant grades for demanding applications in the electronics, lighting, automotive, white goods, industrial and aerospace industries.

MATERIAL DESCRIPTION

- PPA-GF30 FR (40)
- 30% Glass Reinforced, PA4T, Electro-friendly, Halogen free and free of red phosphorous, Certified V0 at 0.2mm

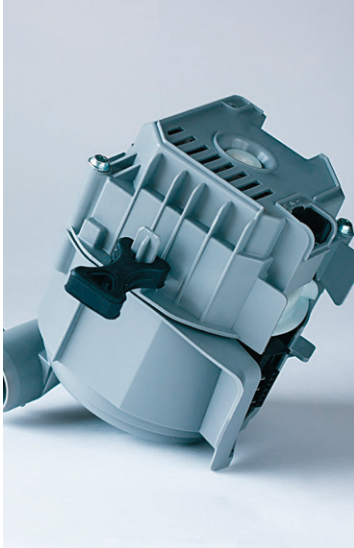
MATERIAL APPLICATIONS

Reflow connectors, battery connectors, contactors, FAKRA connectors, miniature Circuit breakers, rotary switch

Envalior
Imagine the Future



PARA Ixef 1521*



50% glass fiber reinforced, flame retardant polyarylamide which exhibits high strength and stiffness, outstanding surface gloss, and excellent creep resistance.

MATERIAL DESCRIPTION

- Polyarylamide, 50%GF
- Chemical Resistant
- Creep Resistant
- Flame Retardant
- Good Dimensional Stability
- High Flow
- High Strength
- Low Moisture Absorption

MATERIAL APPLICATIONS

Aircraft applications, appliance components, automotive, bushings, camera, gears, industrial

**Only available in Italy*



PA6 Akulon K-FKGS6/B and 2. XG-FKGS6



MATERIAL DESCRIPTION

- PA6-GF30 FR (17) = PA6, 30% Glass Reinforced, high flow, Halogen containing, V0 at 0.75mm
- PA6-GF30 FR (40) = PA6, 30% Glass Reinforced, high flow, halogen Free, V0 at 0.75mm

MATERIAL APPLICATIONS

EV charging connectors (male and female), Photovoltaic connector



Flame Retardant Materials for Automotive Applications

EMERGE™ PC/ABS 7740/7760

- Impact resistance, down to -30°C
- Flame-retardant: UL 94 V0@1.6mm, 5VB@2.0mm and 5VA@2.5mm
- Wide selection of opaque colors
- Available with UV package, as EMERGE™ 7700/7750 for increased weatherability resistance
- Design freedom, excellent processability
- Enhanced chemical resistance
- Excellent esthetics



TRINSEO™

EMERGE™ PC 8410-15 or 8210-31

- Medium impact resistance up to -15°C
- Flame-retardant: UL 94 V0@1.5mm and 5VA@3.0mm
- Available as transparent material (UL 94 V0@1.8 mm) or in wide selection of opaque colors and MFR
- Available with UV package, as EMERGE™ 8430-15 or 8230-31 for outdoor applications; f1 listing according to UL 746C
- Improved RTI of 130/115/130, according to UL 746B
- Design freedom, excellent esthetics



TRINSEO™

EMERGE™ PC 8701HH

- 12% glass-reinforced PC, delivering high stiffness, high heat resistance and impact resistance
- Flame-retardant: UL 94 V0@1.5mm, 5VA@3.0mm
- Wide selection of opaque colors only
- Available with UV package, as EMERGE™ 8731HH for outdoor applications; f1 listing according to UL 746C



TRINSEO™

EMERGE™ PC 8030-15

- Best-in-class FR grade within portfolio PC compounds
- Flame-retardant: UL 94 V0@0.80 mm, 5VB@2.0mm & 5VA@2.5mm
- Impact resistance up to -20°C
- UV package included for outdoor applications, f1 listing according to UL 746C
- Improved RTI of 130/115/130 according to UL 746B
- Available in opaque colors only
- Designed for ultra-thin applications



TRINSEO™

EMERGE™ PC 8830-5 LT

- Impact resistance, down to -30°C
- Flame-retardant: UL 94 V0@1.00mm, 5VB@2.0mm & 5VA@3.0mm
- Remains transparent at low thickness (also available in opaque colors)
- UV package included for outdoor applications, f1 listing according to UL 746C
- Improved RTI of 130/115/130 according to UL 746B



TRINSEO™

nexeo®
plastics



NEXEO PLASTICS

C/Luis Muntadas n5
08940 Cornellà de Llobregat
Barcelona (Spain)
+34 93 480 91 25
www.nexeoplastics.com
welcome@nexeoplastics.com

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