



Padanaplast introduces new crosslinkable and HFFR compounds for demanding wire & cable applications in building & construction and automotive

Roccabianca, Italy, April 16, 2018 - At Wire Düsseldorf 2018, Padanaplast (Hall 12 Booth B30) is introducing a range of new Cogegum® AFR and Cogegum® GFR wire and cable compounds incorporating an advanced halogen-free flame-retardant (HFFR) technology. The new materials meet the strict requirements of EU Regulation 305/2011 for buildings Construction Products Regulation (CPR) and ISO 6722 for automotive cables.

Fire incidents involving halogenated plastics can have a severe impact on the health and safety of affected people as well as on the structural integrity of buildings or, for example, on the properties of metals in end-of-life vehicle recycling. There is a growing demand for materials that will effectively minimize the hazards of toxic fumes, disorienting thick smoke and corrosivity in the case of a fire. Important provisions and standards governing these requirements include EU Regulation 305/2011 for buildings, also known as Construction Products Regulation (CPR).

Padanaplast, specializing in crosslinkable polyolefin compounds for use in wires and cables, pipes and fittings, has developed a range of new Cogegum® extrusion materials designed to eliminate these risks. *"The zero-halogen FR technology of our new Cogegum® AFR and Cogegum® GFR compounds virtually eliminates the health hazards, disorientation and corrosivity associated with halogenated materials in fires,"* says Antonello Casale, the company's R&I & Tech Service Manager. *"And importantly for processors, this superior self-extinguishing, low-smoke and low-toxicity behavior doesn't compromise the excellent extrusion properties of our products."*

At Wire 2018, Padanaplast is introducing five new CPR-compliant Cogegum® HFFR grades for building & construction and two special HFFR grades targeted at applications in automotive. Except for one all-thermoplastic sheathing grade, all these compounds are silane crosslinkable products of the Cogegum® GFR series based on Sioplas® process technology. The offering is further differentiated by application specifications, such as cable construction or enhanced resistance to fire and chemicals. In addition to two grades for T3 (125°C) automotive insulation for primary wiring applications, there is also a sheathing compound (Cogegum® GFR 380) providing enhanced flexibility and resistance to mineral oils and fuels for applications in railway, marine and the chemical and oil industry.

"Beyond our extensive product portfolio, we also offer dedicated support in material selection, processing and all matters of regulatory compliance and approval, helping our customers to speed the time-to-market of next-generation wire and cable applications," adds Casale.

Furthermore, Padanaplast is also presenting its diversified portfolio of Polidan® moisture/ambient-cure silane crosslinkable polyethylene compounds, Polidienne® flexible elastomer based ambient-cure crosslinkable compounds, and crosslinking catalyst masterbatches for wire & cable and pipe & fitting manufacturers.

Padanaplast compounds can be processed on most common extrusion lines, and all products conform to RoHS requirements according to EU Directive 2002/95/EC.

Padanaplast is based at Roccabianca near Parma in Italy and operates 13 state-of-the-art production lines certified to EN ISO 9001 and ISO EN 14001. Established in 1971, the company has pioneered the technology of XLPE silane crosslinkable polyethylene compounds, and has been offering HFFR compounds for cable sheathing, wire insulation, pipe and fitting applications since 1982. In 2017, the business became a member of Finproject Group, a major Italian global player in crosslinkable polyolefin compounding, extrusion and molding.

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Padanaplast, based in Roccabianca near Parma (Italy), is a company of Finproject Group, an international player in the crosslinkable polyolefin compounding and molding sector. Padanaplast was among the first to produce and market silane crosslinkable polyethylene worldwide. Building on over 45 years of expertise and innovation in its core technology, the company offers a broad portfolio of crosslinkable compounds, including advanced zero-halogen flame retardant products, for a wide range of wire & cable as well as pipe & fitting applications in industries from transportation, marine and defense to building & construction, electrical & electronics, oil & gas and renewable energy. Visit www.padanaplast.com for further information.

Contacts

Antonello Casale

R&I Tech Service Manager

Padanaplast S.r.l.

Tel. +39 0521 529-1

a.casale@padanaplast.com

Alan Flower

Industrial Media Relations

Tel. +32 474 117 091

alan.flower@indmr.com

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