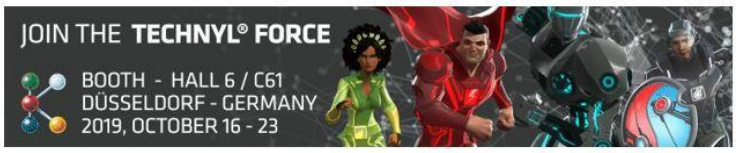
SOLVAY
asking more from chemistry®

Press Release



Fifty shades of Technyl® Orange for safety challenges in electric vehicles

New Technyl® range resistant to fire and high voltage
Customizable and perfectly stabilized orange pigments
Fast cycle time, suitable for laser marking

Lyon, France, Oct. 16, 2019 – Solvay Performance Polyamides introduces Technyl® Orange, a brand-new range of fire-resistant products for high-voltage automotive components and cabling in electric vehicles. The new palette of orange pigmented Technyl® grades offers reliable color retention, laser-marking, flame-retardancy (FR), high heat and fatigue resistance.

"In powertrain electrification systems, any live parts carrying more than 30 V AC or 60 V DC are a potential electric shock hazard. These parts must be instantly recognisable to alert production line employees, after-sales personnel and car owners," says Hubert Ruck, Global Director New Mobility for Solvay Performance Polyamides. *"We anticipated this safety trend and have developed a range of Technyl® Orange grades in standard RAL shades targeting applications such as cables, connectors, charge plugs and sockets, converter housings, sensors and insulators."*

Materials available in RAL 2003 for vehicles in Europe and RAL 2008/2011 for exports to North America include various halogen-free grades of Technyl® One and Technyl Star® based technologies, with UL94[1] V0 flammability ratings at wall thickness as low as 0.4 mm. This performance increases the potential for miniaturization of electrical and connection components in EVs and HEVs without compromising safety. All grades feature excellent color stability, low mold deposit and a comparative tracking index (CTI) of 600 volts or greater.

This offering is backed by the Technyl® Force extensive experience in electrical and electronic markets. Unveiled at K 2019, HUB by Technyl® is a unique platform -which notably includes its own UL[2] certified laboratory - that connects upgraded services to provide customer innovation with enhanced capabilities and synergies for eco-design agility and cost optimization.

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[1] UL94 test assesses the flame retardancy of a material (V0 = highest certification)
[2] Underwriters Laboratories (a US independent safety consulting and *certification company)*

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Solvay is an advanced materials and specialty chemicals company, committed to developing chemistry that addresses key societal challenges. Solvay is headquartered in Brussels with around 24,500 employees in 61 countries. Net sales were €10.3 billion in 2018, with 90% from activities where Solvay ranks among the world's top 3 leaders, resulting in an EBITDA margin of 22%. The Technyl® business is part of Solvay Performance Polyamides, a global business unit which is in the process of being acquired by major players in the industry.
For 66 years, the **Technyl®** brand supplies innovative polyamide 66-based solutions for automotive, electrical and electronics, construction, consumer goods and other markets. Leading expertise combining high performing products and advanced services are enabling the Technyl® Force to bring well-recognized added value to the industry.
Learn more about the Technyl® brand at www.technyl.com, and follow us on LinkedIn / Twitter / Facebook / YouTube.

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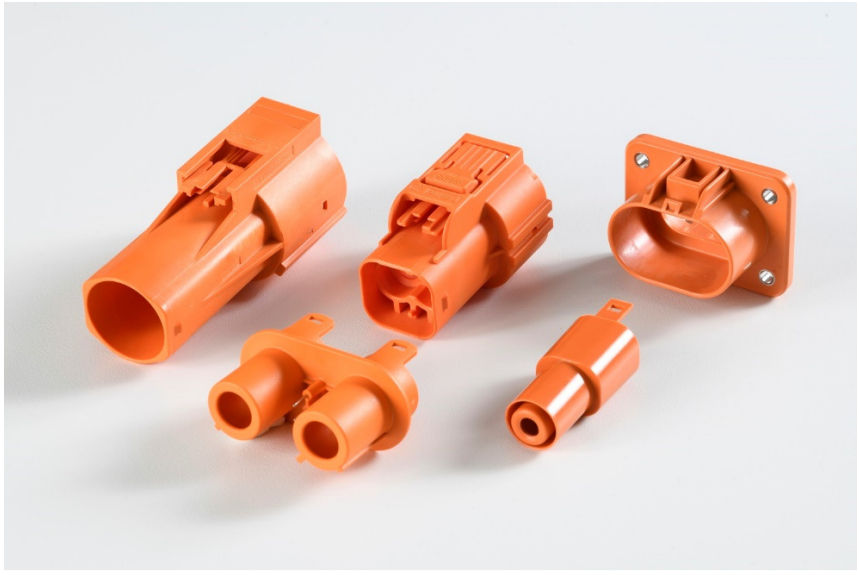

High-voltage connectors made with Technyl® Orange.