Our technical teams work closely with your development team, offering their expertise early on in your project to meet the fire resistance requirements of your product.

Our technical teams are at your service with advanced design capabilities, notably leveraging MMI Technyl® Design predictive simulation tools and services for modeling the behavior of thermoplastic parts. In addition, Sinterline™ Technyl® Powders for your 3D prototyping needs achieve cost efficiency and optimize development time.

DOMO Chemicals offers UL-certified testing on thermals (UL 746A in France and China), with technical teams ready to share their experience and expertise, helping you obtain targeted material certifications.

By providing local support around the world, our experts help all customers meet their specific requirements. Leveraging a global network, these dedicated teams offer an adapted range of products and services.
FIRE PROTECTION by TECHNYL

PROTECTING PEOPLE

There’s no room for risk when it comes to the protection and safety in electrical and electronic products. To serve this critical sector, DOMO Chemicals has developed a complete range of polyamide flame-retardant solutions for applications ranging from construction, lighting, and renewable energy, to electronic consumer goods, household appliances, transport, and more.

High performance, electrical, mechanical and thermal strength, TECHNYL® halogen-free polyamides have demonstrated their value in a world impacted by increasing demands of safety standards. Technyl® Technologies functional -styrene with aesthetic qualities, integrating DOMO Chemicals’ technical expertise and presence worldwide with an innovative approach that meets the customers’ requirements.

MOVING TOWARDS A SAFER WORLD

Market leaders today continue to develop smaller and more complex parts to support product miniaturization and multi-functionality. To satisfy this requirement, the materials used must of high temperature resistance and fail flame retardancy.

The use of polyamide in electrical and electronic equipment has increased considerably, thanks to the strong demand and substitution of traditional materials. Technyl® Technologies are present in nearly every household, from mixers to washing machines, and in industrial devices such as connectors, terminals, circuit breakers, and more.

Moving forward in a safer world also means working diligently for a cleaner environment. While TECHNYL® Halogen-free polyamides, DOMO Chemicals reaches legendary industry standards and strict regulatory requirements to proactively reduce ecological impact and anticipate change.

REASONS TO CALL THE TECHNYL® FORCE

PERFORM TO HIGH SAFETY STANDARDS

Technyl® Technologies offer the strictest regulations of the electrical equipment market, meeting UL and CE certifications, and in-house testing and certification services in both Europe and Asia (China). We offer in-house UL testing rating for photovoltaic applications.

We focus on safety testing and certification services in both Europe and Asia (China).

ENSURE HIGH PERFORMANCE

Our Halogen-free polyamides are developed to be less corrosive than traditional flame retardant materials. The high flow TECHNYL® evaluations high fluidity, which increases production and reduces cycle time and machine waste.

PRODUCE EFFICIENTLY

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RESPECT THE ENVIRONMENT

Technyl® Technologies simply with rich draws on regulatory environmental waste management for the appliance market in Europe (WEEE 2012/19/EU) and 2012/19/EC. DOMO Chemicals performs detailed the product life cycle analysis with clients to evaluate and optimize their products’ environmental impact.

STRENGTH FROM THE INSIDE

MECHANICAL STRENGTH

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact strength</td>
<td>30%</td>
</tr>
<tr>
<td>Flexibility</td>
<td>15%</td>
</tr>
<tr>
<td>Heat resistance</td>
<td>60%</td>
</tr>
</tbody>
</table>

INNOVATION IN ACTION

Technyl® Solutions are powered by DOMO Chemicals that actively prove high temperature performance and antiaging characteristics to select hot conditions and maintain performance stability.

Main benefits for users:
- Market leading electrical performance
- High flow processing and low viscosity
- Low creep for tactical and injection equipment
- Ultra resistance for leads and injection equipment
- Reflects readily available with the highest impact with 320°C, 0.8mm in thickness
- High flow testing classes of 44 in thin, 600V (UL 94 V0) in (500°C)
- 30% higher dimensional stability of standard polyamide can be in significantly reduced line-in-use rate
- Excellent surface quality, even for 50% glass fiber reinforced materials
- Specific cost savings on request

Applications
- Electrical: protection against product miniaturization and multi-functionality
- Automotive: on high demand injection (thin walls, robust connector designs), passenger, and all applications that require high electrical performance.

DOMO Chemicals: from chemistry to innovation, we add value to your products.

1 Waste management of Electrical and Electronic Equipment.
2 Restrictions on using certain Hazardous Substances; Europe: RoHS1 2002/95/CE and WEEE2 2002/96/CE

TECHNYL® — the answer for all demanding electrical applications. From construction, lighting and renewable energy to electronic consumer goods, household appliances, transport, and more.

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