



YOUR ELECTRONICS CHOICE

Check us out! We provide the industry's leading performance specialty resins and engineered thermoplastics.

In the performance-driven market of electrical and electronic components, our industry-leading product line meets the most stringent material requirements, offering the most competitive mechanical, thermal, electrical and flame-retardant properties.

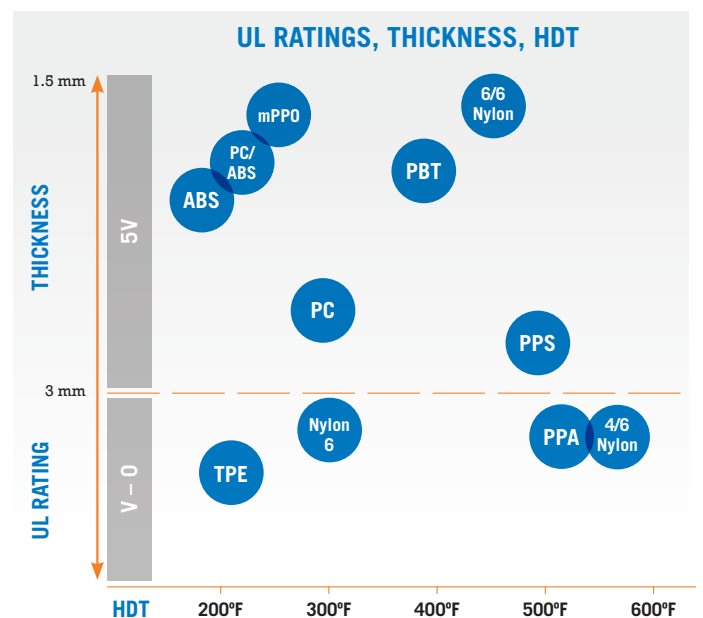
Material	Impact	Stiffness	Heat Resistance	FR	Flow/Thin-wall Capacity	Chemical Resistance	Soft Touch	Clarity
Akulon® Nylon 6	Excellent	Good	Good	Good	Excellent	Good	–	–
Arnite® PET	Good	Excellent	Good	Excellent	Excellent	Excellent	–	–
Arnitel® COPE	Excellent	Poor	Fair	Excellent	Good	Excellent	Excellent	–
EcoPaXX® Nylon 4/10	Excellent	Excellent	Good	Good	Excellent	Good	Fair	–
Elexar® TPE	Excellent	Poor	Good	Excellent	Good	Fair	Excellent	–
Iupilon® PC	Excellent	Good	Good	Excellent	Good	Fair	–	Excellent
LG ABS	Good	Good	Fair	Excellent	Good	Fair	–	–
Lumiloy® mPPO	Excellent	Good	Good	Excellent	Good	Good	–	–
Lupox® PBT	Fair	Excellent	Good	Excellent	Excellent	Good	–	–
Lupoy® PC	Excellent	Good	Good	Excellent	Good	Fair	–	–
Lupoy® PC/ABS	Excellent	Good	Good	Excellent	Good	Fair	–	–
Ryton® PPS	Fair	Good	Excellent	Excellent	Excellent	Excellent	–	–
Sarlink® TPV	Excellent	Poor	Fair	Poor	Poor	Good	Excellent	–
Schuladur® PBT	Fair	Good	Good	Excellent	Good	Excellent	–	–
Stanyl® ForTii	Good	Excellent	Excellent	Excellent	Excellent	Good	–	–
Stanyl® Nylon 4/6	Excellent	Excellent	Excellent	Excellent	Excellent	Good	–	–
VESTAMID® HTplus	Excellent	Good	Excellent	Excellent	Excellent	Good	–	–
Vydyne® Nylon 6/6	Good	Excellent	Excellent	Excellent	Excellent	Good	–	–

SPECIALTY AND ENGINEERED THERMOPLASTICS FOR ELECTRICAL/ELECTRONIC NEEDS NOW AND IN THE FUTURE

- Electrically conductive compounds for EMI and RFI shielding
- High-temperature thermoplastics compatible with surface-mount technology (SMT) and lead-free soldering processes for use in connectors and other components
- Thermally conductive compounds for thermal management, heating and cooling
- High-flow resins to meet miniaturization and thin-wall requirements
- RoHS- and WEEE-compliant compounds to meet “green” initiatives
- Soft-touch compounds for user comfort

APPLICATIONS FOR THERMOPLASTICS PROVIDED BY CHASE PLASTICS INCLUDE:

- Connectors
- Switches
- Bobbins
- Capacitors
- Relays
- Housings
- Covers
- Shields
- Sockets
- Circuit Breakers





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Specialty and engineered plastics for the electrical/electronics market.

Stanyl® Nylon 4/6

- Temperature resistance up to 280°C for soldering (IR and lead-free)
- Exceptional flow properties with high weld-line strength for more robust and reliable connectors than with LCPs
- High pin-retention strength
- Thin walls with no compromise in strength
- High stiffness, low creep
- Outstanding toughness, capable of withstanding high part-assembly forces



Akulon® Ultraflow Nylon 6

- Up to 60 percent faster cycle times
- High flow, thin walls, longer flow paths and multiple cavities



VESTAMID® HTplus PPA

- High heat/low moisture uptake, dimensional stability, lead-free soldering
- Ideal construction material for the manufacture of high-temperature, molded interconnecting devices (MIDs)
- Melting point of 285°C and an HDT of more than 200°C
- Excellent chemical resistance



Schuladur® PBT

- Excellent dimensional stability
- High rigidity and strength
- Outstanding heat-aging performance
- High color stability at high temperatures
- Excellent resistance to weathering



Ryton® PPS

- Excellent flow and low shrinkage for precision molding of connectors and sockets
- Superior stiffness and mechanical integrity for reliable assembly
- Inherently flame retardant – UL94 V0 FR and 5VA capable at 1.5 mm
- Suitable for all soldering processes (SMT, IR, lead-free)
- Chemical resistance at elevated temperatures



Vydyne® Nylon 6/6

- Short-term high temperature resistance (500°F/260°C), able to withstand lead-free solder temperatures without melting
- Strong, tough and durable
- High flow/fast cycles
- Excellent dielectric strength and comparative tracking index combined with an inherent V2 flame rating, which can be increased to V0 and improved to 5VA in some grades



Techmer Engineered Solutions EMI/RFI Electrically Active Static Dissipative Compounds

- Electrafil® compounds from TES are formulated with additives to achieve the right balance of mechanical properties and resistivity for any point in the EM spectrum
- Available in a wide range of engineering materials, including PA6, PA6/6, PA12, ABS, PC, Acetal, PPS and more



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Any recommendation by Chase Plastics personnel for the use of any material is based on tests or experience believed to be reliable. However, since the final processing and use of the product are beyond our control, we make no warranty as to such use or effects incidental to such use, handling or sale.

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