

Your Electronics Choice

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

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.

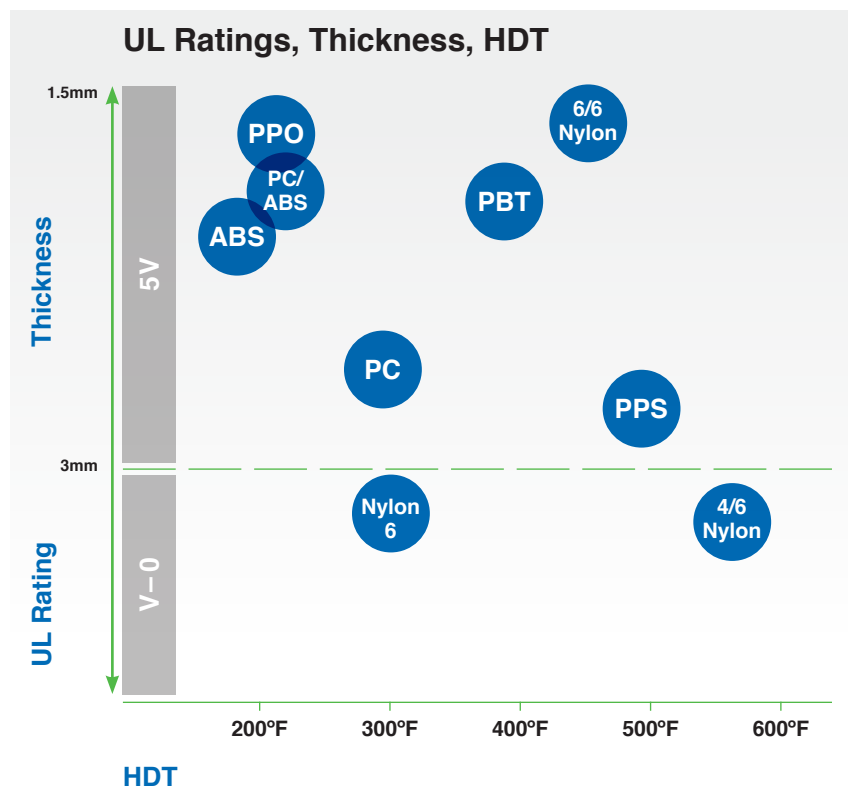
Material	Impact	Stiffness	Heat Resistance	FR	Flow/Thinwall Capacity	Chemical Resistance	Soft Touch	Clarity
Stanyl® Nylon 4/6	Excellent	Excellent	Excellent	Excellent	Excellent	Good	–	–
Akulon® Nylon 6	Excellent	Good	Good	Good	Excellent	Good	–	–
Vydyne® Nylon 6/6	Excellent	Good	Excellent	Excellent	Excellent	Good	–	–
Ryton® PPS	Fair	Good	Excellent	Excellent	Excellent	Excellent	–	–
Polymer Resources PPX Modified PPO	Excellent	Good	Good	Excellent	Good	Good	–	–
Iupilon® PC	Excellent	Good	Good	Excellent	Good	Fair	–	Excellent
Lupox® PBT	Fair	Excellent	Good	Excellent	Excellent	Good	–	–
Lupoy® PC/ABS	Excellent	Good	Good	Excellent	Good	Fair	–	–
LG® ABS	Good	Good	Good	Excellent	Good	Fair	–	–
Sarlink® TPV	Excellent	Poor	Fair	Poor	Poor	Good	Excellent	–

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



Contact your local account manager for further information or call Chase Plastics directly at (800) 232-4273.

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 incident to such use, handling or sale.

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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 LCP's
- 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% faster cycle times
- High flow: thin walls: longer flow paths: multiple cavities

VESTAMID® PPA

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

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 are combined with an inherent V2 flame rating, which can be reduced to V0, and as high as 5VA in some grades

TP Composites Electrablend® EMI/RFI Electrically Active and Statiblend® Static Dissipative Compounds

- Electrablend® and Statiblend® compounds from TPC 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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