



Elemelt PA512

elemelt®

Technical Data Sheet

June 2021

| Description |
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| Elemelt PA512 is a pure copolymer thermoplastic polyamide hot melt resin designed to be used in low pressure molding and electronics applications with good adhesion, environmental and thermal shock resistance. |

| Physical Properties | |
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| Color(s): Amber and Black Solids: 100% Softening Point: 175-190c Suggested Processing Temp: 210-230c Viscosity: 3,000 – 4,000 cps @ 220c Tensile: n/a Elongation: 200% (ISO 527) Glass Transition: -50c Shore Hardness: 45D | Yield Strength: 2.8 MPa (ISO 527) Young Modulus: 83 MPa (ISO 527) Dielectric Rigidity: 20 kV.mm1 @ 20c (IEC 60243-1) Volume Resistivity: n/a Relative Permittivity: 5.6 F.m-1 @ 50Hz, 23C (IEC 60250) UL Testing: ULV0 (UL94 Flammability) Water Content: <0.2% Water Absorption: 2,8 (immersed, 23C) (ISO 62) |

| Features or Uses |
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| For uses in electronics, electrical components, connectors, and cables. |

| Storage and Drying Recommendations |
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| Store in cool and dry location. All Polyamide base materials will absorb moisture from the air over time. We highly recommend storing any open bag in a closed container. If material or packaging is left open to air for extended periods of time for best practices, we recommend drying the material for 8hr @70c to remove unwanted moisture. |

The information given and recommendations made herein are based on the manufactures research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. The manufacture does not warrant the product's suitability for any particular application. The product is sold pursuant to the manufactures Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

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