



INCREDIBLE DIMENSIONAL STABILITY AND LOW WARPAGE

Omnix® HPPA is a high-performance polymer that demonstrates incredible dimensional stability and low warpage in a variety of processing and chemical environments. With unique performance and processing features, Omnix® HPPA offers manufacturers low moisture absorption rates, high heat resistance, good chemical resistance and cost-effective manufacturing. The Omnix® HPPA family of high-performing polyamides bridges the cost-performance gap between low and high performance polyphthalamide.

WHEN COMBINING ITS MECHANICAL CAPABILITIES AND COST-EFFICIENCY, IT IS AN IDEAL ALTERNATIVE FOR METAL REPLACEMENT IN DEMANDING APPLICATIONS AND MARKETS.

CHARACTERISTICS

Omnix® HPPA maintains its mechanical properties even after moisture absorption. It is hot-water moldable and can reach a temperature of 90°C. It is an economical alternative for metal replacement in foodservice applications as it meets both European Union and United States Food and Drug Administration (FDA) regulations. Characteristics and properties found across the product line include:

- Outstanding moisture absorption properties
- Hot-water moldable and can reach temperatures of 90°C
- Melt temperatures ranging from 285 to 305 °C (545 to 580 °F) and mold temperatures ranging from 80 to 120 °C (175 °F).
- Great dimensional stability and lower warpage
- Excellent chemical resistance
- Efficient and cost-efficient manufacturing

Automotive & Mobility

Omnix® HPPA displays a great combination of mechanical properties, heat resistance and chemical resistance. When processed, Omnix® HPPA is produced in IATF 16949 certified sites to ensure it meets the superior quality standards required. Typical applications include lightweighting applications.



Construction

Certified for drinking water, Omnix® HPPA is a safe and trusted polymer in the construction industry for its capabilities and performance enhancements. When used in critical applications and usages, Omnix® HPPA demonstrates durability, reliability, and sophisticated physical properties.

Applications include:

- Valves
- Plumbing Systems
- Manifolds
- Water Meters
- Boiler Tanks and Components
- Faucet Cartridges



Consumer Goods

Omnix® HPPA offers an excellent alternative to traditional die-cast alloys used in critical consumer goods. From typical food contact applications to sporting goods, Omnix® HPPA demonstrates the impressive aesthetic features and cost-efficient manufacturing properties necessary for it to be an ideal material of choice.

Applications include:

- Household Goods
- Textiles and Sports Equipment



Electronics

Omnix® HPPA is well suited for critical structural parts in popular handheld devices for its various aesthetic and performance properties. Omnix® HPPA grants superior flow, great surface appearance and good dimensional stability, alongsideside a halogen-free UL 94 V0 flame retardant rating.

Applications include:

- Smartphone
- Tablets
- Notebooks



[Learn more at nexeoplastics.com/solvay/omnix-hppa](https://nexeoplastics.com/solvay/omnix-hppa) or contact us to request a free sample.

Nexeo Plastics
1780 Hughes Landing Blvd
Suite 1000
The Woodlands, TX 77380 USA
nexeoplastics.com

To Place Your Order:
US & Canada: 833.446.3936
getplastics@nexeoplastics.com
Mexico: +52 55 4749 1710
ventas@nexeoplastics.com

For Technical Questions:
US & Canada: 866.430.9666
Mexico: +52 81 1182 5109
techconnect@nexeoplastics.com



nexeo[®]
plastics

All statements, information and data presented herein by Nexeo Plastics are believed to be accurate but are not to be taken as a guarantee or other representation for which Nexeo Plastics and its affiliates and subsidiaries assume legal responsibility.

NEXEO PLASTICS EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARISING OUT OF ANY USE OF THE PRODUCTS OR SERVICES IDENTIFIED HEREIN OR RELIANCE ON ANY INFORMATION PROVIDED HEREIN.

All statements, information, recommendations and products must be thoroughly evaluated and verified by the end user to determine their applicability or suitability for each particular use. Typical values are indicative only and are not to be construed as being binding specifications.

* Trademark owned by a third party

©2023 Nexeo Plastics, LLC. All Rights Reserved.

NEX-SOLVAY-Omnix-HPPA-OS
2023-001