



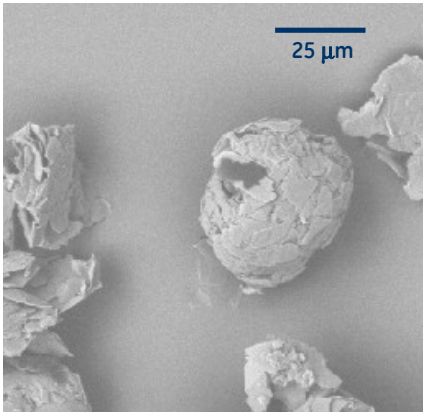
MOMENTIVE

performance materials

PolarTherm* XLR Boron Nitride Filler PTX25

PolarTherm XLR PTX25 Filler

Momentive Performance Materials' new PolarTherm XLR thermal management fillers are a unique spherical agglomerate of boron nitride crystals, resulting in more isotropic properties versus typical boron nitride particles. This can result in increases in thermal conductivity at moderate loading levels in polymer composites, combined with the low dielectric constant typical of boron nitride. PTX25 is fine particle size grade, enabling thin bond lines in thermal interface applications.



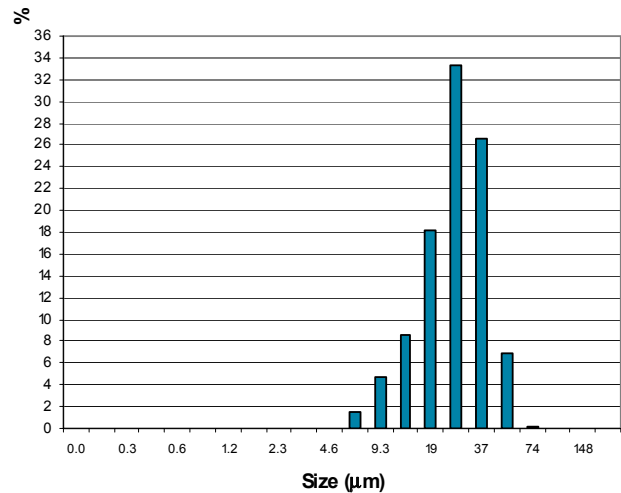
Applications and Uses

PTX25 as a filler offers benefits to a variety of electronics applications. Potential uses include:

- Thermal greases, adhesives, and gels
- Phase change thermal interface materials
- Thermal interface films
- Printed circuit board laminates
- Electronic molding compounds
- Underfills

Typical Properties of PTX25¹

Structure	Spherical Agglomerate	
Particle Size (Microns)	Mean	25
	D10/D90	10 / 40
Surface Area (m ² /g)		7
Tap Density (g/cm ³)		0.3
O ₂ (%)		0.2
C (%)		0.03
Sol. Borates (%)		0.1



¹ Actual properties may vary. Numbers represent typical data and will vary within ranges established for a particular grade. Please contact your sales representative for specifications.

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