

Mercer Lignin Series

L:vis 60 CLASSIC

TECHNICAL SPECIFICATION

Lignin is the second most abundant biopolymer on Earth and is considered to be a sustainable, climate-friendly raw material. Mercer International extracts this biopolymer in its biorefineries and perceives potential in it to revolutionize the petrochemical industry. Mercer's role as an innovation partner is to facilitate the utilisation of lignin, with a view to developing bespoke, bio-based solutions for products.

Physical form	Powder
Ash content %	< 2.5
Sulfur content %	< 3.6
Dry substance %	55 - 65
Molecular weight Mw(g/mol)	11,000 - 17,000
pH 40% lignin slurry in H ₂ O	3-4
Storage 20°C	9 month

AREAS OF APPLICATION

Lignin is extremely versatile and can be used as a sustainable raw material in a wide range of products.

Lignin is already being used in:

- Composites and plastics. It can replace fossil-based materials in biocomposites, resins and adhesives.
- Carbon materials: It can be used as a renewable, carbon-negative starting material for high-performance carbon materials (e.g. in batteries).
- Special applications: Applications range from asphalt binders and UV-protective coatings to adsorption materials for wastewater treatment.

ORDERING AND SAMPLES

Mercer is your partner for product development and offers the flexibility to produce customized lignin batches for your research and development projects. Samples for testing purposes are available upon request.

CONTACT

For product inquiries, technical support, or to discuss development partnerships, please contact us:

✉ lignincenter@mercerint.com

☎ +49 36642 8-0