

HJSIL® R110

Hydrophobic fumed silica

Characteristics

HJSIL® R110 is a kind of hydrophobic fumed silica, treated with poly-dimethylsiloxane. It's high purity white colloidal powder.

Packaging and storage

HJSIL® R110 is supplied in 10kg kraft paper bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances.

Applications

- Adhesives and sealants
- Composite materials
- Glass-steels
- Flake resins
- Coatings and inks
- Cable gels
- Toner

Properties

- Thickening and thixotropy of complex polar liquids, for example epoxy, polyurethane or vinyl ester resins
- Thickening and thixotropy of cable gels for fiber optic cables
- Anti-settling agent for heavy fillers

Characteristic physico-chemical data

Properties and test methods	Unit	Typical value	Standardization
Specific surface area (BET)	m ² /g	100 ± 20	GB/T20020
pH value (in 4% dispersion)		4.0 ~ 7.0	GB/T20020
Loss on drying (2 hours at 105 °C)	Wt%	≤ 0.5	GB/T20020
Loss on ignition (2 hours at 1000 °C, based on material dried for 2 hours at 105 °C)	Wt%	4.0 ~ 6.0	GB/T20020
Silica content (based on ignited material)	Wt%	≥ 99.8	GB/T20020
Tamped density (based on material dried for 2 hours at 105 °C)	g/L	40 ~ 60	GB/T20020
Carbon content (based on material dried for 2 hours at 105 °C)	Wt%	3.5 ~ 5.5	GB/T20020

Contact information

HENAN MINMETALS EAST INDUSTRIAL Co., Ltd.

Address RENMIN ROAD, JIAOZUO CITY,
HENAN PROVINCE, 454000
CHINA

Tel +86 391 3565627
Fax +86 391 3565657
Email info@minmetalseast.com
Internet www.minmetalseast.com

The data presented in this document is based on our best knowledge. We disclaim any warranty and liability whatsoever as to accuracy and completeness of such information as well as to the potential infringement of any proprietary rights. We reserve the right to alter product constants within the scope of technical progress or new developments. Any user of our products shall bear the full risk connected to their use including but not limited to their properties and fitness for any purpose.