

LUZENAC 1445

IMERY'S PERFORMANCE ADDITIVES

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LUZENAC 1445 is a grey, lamellar talc used to reinforce polypropylene compounds where good mechanical and thermal properties are required.

TYPICAL PROPERTIES

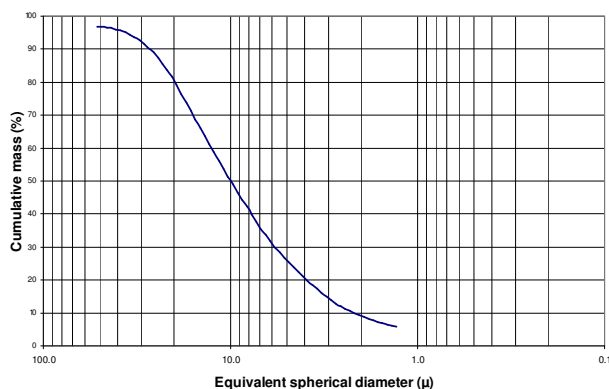
Whiteness (Minolta CR400, illuminant D65/2°) Y	79.5
L* (CIE)	91.2
a* (CIE)	-0.2
b* (CIE)	0.5
B.E.T. (ISO 9277)	2.5 m ² /g
Specific gravity (ISO 787/10)	2.78 g/cm ³
Tapped bulk density (ISO 787/11)	1.00 g/cm ³
Loose bulk density (EN 1097/3)	0.45 g/cm ³
Hardness (Mohs' scale)	1

CHEMICAL ANALYSIS (BY X-RAY FLUORESCENCE)

SiO ₂	56%
MgO	31%
Al ₂ O ₃	4.5%
Fe ₂ O ₃	0.9%
CaO	0.9%
Loss on ignition at 1050°C	7.3%
Loss on ignition at 625°C	1.6%
Moisture content at 105°C (ISO 787/2)	< 0.5%
Screen residue (Alpine airjet) ≥40µm	< 2%

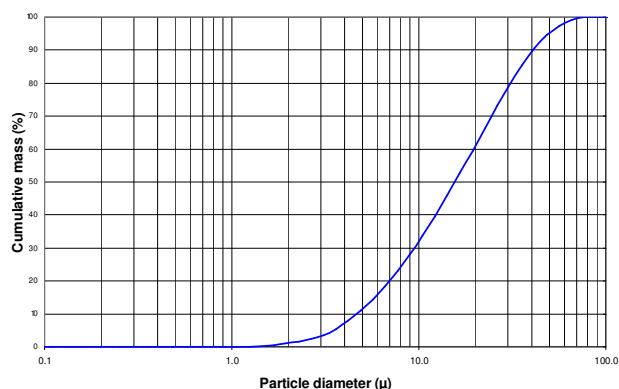
PARTICLE SIZE DISTRIBUTION BY SEDIGRAPH

Sedimentation analysis, Stokes' Law (ISO 13317-3)
Median Diameter: 10.0µm
D95: 36.0µm



BY LASER MASTERSIZER

Laser diffraction, Mie Theory (ISO 13320-1)
Median Diameter: 15.6µm
D95: 49.2µm



Notice: Although the data listed are typical, they are not production specifications. The supplier provides the data in good faith, however it makes no warranty or representation of any kind, express or implied, regarding the information given or product described including any warranty of suitability for a particular purpose.

For more information, please visit www.imerystalc.com

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