

Physical Properties

Parameter	Unit	Value
Brightness (ISO)	%	74.3
Particle Size (Mean)	µm	7.742
pH (10% w/v)	—	7.02
Density	g/mL	2.60
Moisture	%	0.51
Oil Absorption	g oil/100g	2.40
Loss on Ignition (950 °C)	%	3.59

- ISO Brightness (R457) per ISO 2470-1:2016
- Density measured by water displacement method
- Moisture calculated from weight loss at 100 °C
- Oil absorption calculated from absorbed mineral oil weight
- Loss on ignition calculated from weight loss at 950 °C

Chemical Composition

Constituent	Unit	Value
SiO ₂	% w/w	70.0
Al ₂ O ₃	% w/w	13.6
K ₂ O	% w/w	3.19
Fe ₂ O ₃	% w/w	1.67
MgO	% w/w	0.66
Na ₂ O	% w/w	0.70
CaO	% w/w	2.91
TiO ₂	% w/w	0.39
P ₂ O ₅	% w/w	0.006

· Chemical analysis by ICP-OES, Dept. of Chemistry, Faculty of Science, Silpakorn University

Storage & Shelf Life

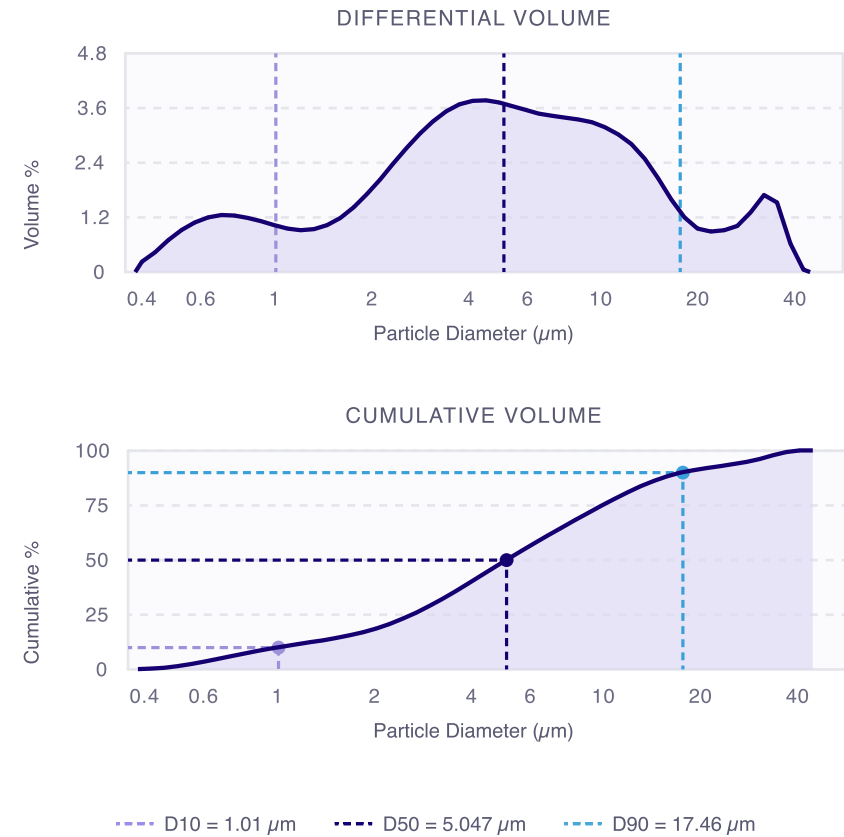
For optimal performance, this product should be stored in its original packaging, in dry conditions and not in direct contact with the ground or moisture sources. When stored correctly, product performance is maintained for a minimum of **12 months** from the date of production.

Certification

This product is tested and verified by independent third-party laboratories. Chemical composition and particle size distribution tested by Silpakorn University, Faculty of Science. ISO Brightness (ISO 2470-1:2016) tested by the Department of Science Service, Thailand. Full laboratory test reports are available on request. Please contact sales@darson.co.th.

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Particle Size Distribution



% <	10	25	50	75	90
Size (µm)	1.01	2.598	5.047	9.926	17.46

· Measured by laser diffraction (Beckman Coulter LS 100Q, Fraunhofer model, Small Volume Module). Fluid: water. Run length: 40 seconds.

Volume Statistics

MEAN 7.742 µm	S.D. 7.879 µm
MEDIAN 5.047 µm	C.V. 101.8 %
D(3,2) 2.757 µm	SKEWNESS 1.913 right-skewed
MODE 4.444 µm	KURTOSIS 3.474 leptokurtic

· Calculations from 0.375 µm to 948 µm

Notice: The characteristics listed are indicative only and shall be understood as typical values of production. This information is given for guidance only. DARSON does not warrant the accuracy, fitness for purpose or update of any information disclosed herein. The purchaser is solely responsible for verification of the suitability of indicated products for their specific purposes and needs.