

CLC-100H

Description

Excellent resistance against chlorine in SPANDEX Polyurethane.
High transparency, Good dispersibility into fiber.
Improve the discoloration resistance of SPANDEX.

Formula	$Mg_4Al_2(OH)_{12}CO_3$
Cas No / EU No	11097-59-9 / 943-434-4

Specifications

Particle Size d(0.5)	μm	Max 4.0
d(0.9)	μm	Max 20.0
Appearance Color b*	-	Max 4.0
Drying loss(240°C/120min)	%	Max 3.0
pH	-	9.00±1.0
MgO	%	37.5±0.5
Al ₂ O ₃	%	22.5±0.5
Molar Ratio (MgO/Al ₂ O ₃)	-	4.3±0.3
Heavy Metal	ppm	RoHS Certified / N.D

Handling

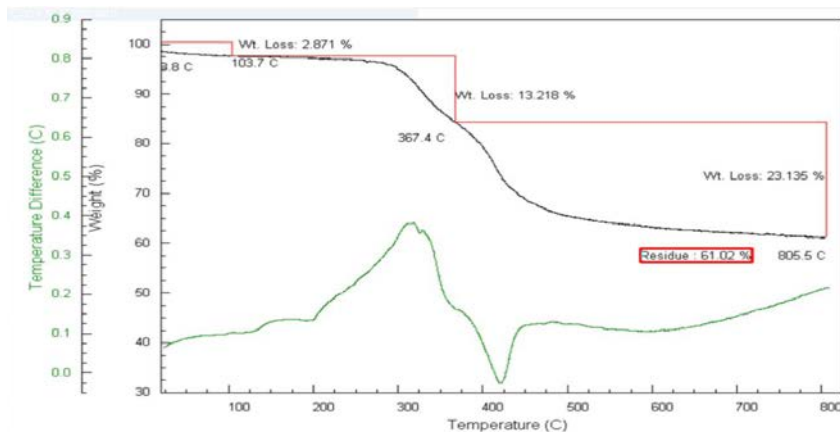
Usage	Add 1.0 ~ 8.0% into spandex fiber
Packaging	Aluminum bag, 20kg net, 600kg / Pallet
Storage	Cool, Dry and well ventilated area at room temperature Firmly close the package, once open

* For additional handling and toxicological information, consult the DOOBON Material Safety Data Sheet.

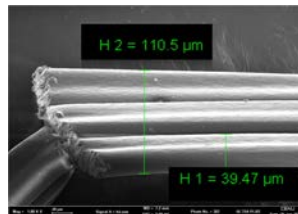
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Thermal analysis (TG-DTA) for Hydrotalcite



SEM image for spandex fiber(40D) containing hydrotalcite



Features of CLC-100H

- Chlorine Resistance** Hold chlorine anion during ion exchange
- Thermal Resistance** Improve dyeing ability of Spandex Fiber
- Abrasive Resistance** Minimize the thread broken by improving tensile strength
- Unwinding Property** Prevent the tanglement of Spandex Fiber

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