

STAPHYLOID AC - 4030

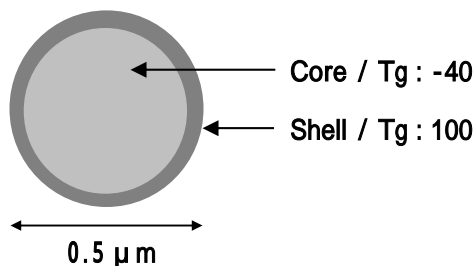
STAPHYLOID AC-4030 is a modifier for powder coatings.
 AC-4030 is dispersed easily into the resin of powder coatings.
 AC-4030 can improve impact strength and increase flexibility of coats.
 AC-4030 does not deteriorate the weather ability of matrix resin.

Typical property

Appearance	Agglomerated particle size	Primary particle size	Primary structure
White powder	25 ~ 30 μm	0.5 μm	Core / Shell

Structure of particle

[Primary particle]



[Agglomerated particle]



Typical property of powder coating modified

	Contents of STAPHYLOID AC-4030			
	0 wt%	5 wt%	10 wt%	15 wt%
Appearance	Good	Good	Good	Good
Erichsen (mm)	8	8	> 8	> 8
Impact strength (cm)	40	50	50	50
Flexibility (mm)	6	2	0	0

- Cold-rolled Steel Plate : 0.8t × 70 × 150mm
- Resin : Finedic M-8050 (Polyester)
- Cure agent : B-1530 (Blocked isocyanate)
- Resin / Cure agent / AC-4030 = 84.2 / 15.9 / [0 ~ 15] (wt%)
- Pigment : Titanium dioxide (40wt% of coatings)
- Cured for 20 min at 190
- Thickness of Coatings : 50 μm
- Method of measurement
 Erichsen : JIS K 5400 8.2.2 / Impact strength : JIS K 5400 8.3.2 / Flexibility : JIS K 5400 8.1 (0.8t × 50 × 150mm)

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See the each materials safety data sheet for more specific information.