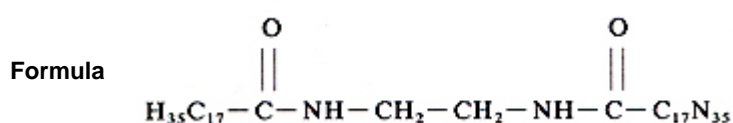


EBS(Ethylene Bis Stearamide)

This product is also called ethylene bis stearamide. This compound is hard and crisp white wax with high melting point, its industrial form is yellow slim granule, no side effect on humans, not dissolve to most solvent, stable to acid, alkali and water, dissolve to hot chlorinated hydrocarbon agent and aromatic hydrocarbon solvent, its powder form is smoothing, wettability is available for water with 80°C or above.

Chemical Name: N, N'- EBS



Technical Data

Appearance: white powder

Original melting point: °C 141 ~ 146

Gross Amine value: mg KOH / g ≤3.0

Fineness: 20mesh, 125 mesh, 200 mesh, 325 mesh

Chromaticity value: ≤5.0

Scid value: mg KOH/g ≤10.0

Heating loss: % ≤0.5

Principal application(1): plastic

It can be used as internal and external lubricant for many thermal plasticity and thermoset plastics, such as ABS, PS, AS and PVC, as well as PE, PP, PVAC, cellulose , Acctate, Nylon, pheonolic-Resin and amino plastics with good luster and stripping performance.

This product can be used as internal parting agent in process of PUR injection moulding of thermal plasticity, amount is from 0.1% to 1%.

Amount is 0.5% as lubricant of polyoxymethylene, then flow rate of solvent can be enhanced, stripping performance is improved, brightness of polyoxymethylene, thermal

stability and different physical index all are top-grade.

Applicant Sample(only for reference)

Resin	Processing technique	Finished Product	Dosage	Function
PVC	Calendering horniness and plasticization PVC injection mould	Membrane, sheet materials, face veneer of floor Insulated layer of pipeline, wire and cable Panel of common tube, toy	0.25-1.5 0.5-1.5 0.5-1.5	Lubricating oil, viscosity-resistant lubricant
Polyethylene	Moulding extrusion	Membrane, sheet materials, moulded composition	0.25-4.0	viscosity-disperse resistant lubricant
Polypropylene	Moulding extrusion	embrane, sheet	0.25-0.5	viscosity-disperse resistant lubricant
Polystyrene	Moulding extrusion	materials, moulded composition, container	0.1-0.75	Release agent, foam stabilizer
ABS	Extrusion Moulding Rotational Moulding	Fittings of auto(electroplated parts) Downcomer , waste pipe	0.5-1.5 0.5-4.0	Lubricant, Release agent
Nylon	Moulding	Auto, electric, roll film	0.5-4.0	Lubricant, Release agent viscosity-resistant lubricant
Polycarbonate	Extruding, injection	Auto, electric, roll film	0.25-1.0	Lubricating oil, viscosity-resistant lubricant
Phenol-formaldehyde resin	Sand-cast and shell moulding	Mould	2.0-3.0	Lubricant, Release agent(mold release)
Epoxy resin	Mould, encapsulation	Fill with glue	0.5-3.0	Lubricant Release agent
Acetal	Extrusion moulding	Parts of fine project, bottle of blow molding	0.25-1.5	Lubricant

		humectant		
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Principal application(2): rubber

Good viscosity-resistant and agglomeration-resistant effect can be gained if 1% to 3% EBS are added into emulsion of synthetic resin and rubber, such as Yiny1 , polychloroprene , GRS(SBR)

Principal application(3): chemical fiber

EBS can enhance heat resistance, weather resistance, fluidness and certain antistatic effect of polyester and polyamide fiber.

Principal application(4): mold release

Mold release can be produced if phenol-formaldehyde resin for sand-casting is added with EBS

Principal application(5): dispersant of pigment and stuffing

EBS can be used as pigment dispersant of color batch of plastics and chemical fibers, such as ABS, PS, acrylic fiber and terylene.

EBS can be used as diffusing powder for matching color of plastics

0.5% to 5% amount can be added in line with different amount of dye fillings.

Principal application(6): powder coating

EBS can be used as flow promotor of powder coating

Principal application(7):dope and printing ink

Salt mist and dampproof effect can be enhanced if 0.5% to 2% EBS is added in the manufacturing process of dope and oil paint; performance of paint remover can be improved, as well as levelling property of firing lacker surface if this product is added into dope.

It can be used as dulling agent for polishing furniture and printing ink.

After micronization treatment (diameter of granule: d 50 about 6 μ , d 90 about 12 μ), this product has good wearable performance and smoothing performance, fits for improving polishing performance of lacquer, air release of surface with many holes. Put with dispersing device with high cutting ability or ball mill with dosage from 0.5 % to 1%, long-term mixing should be guaranteed so that the granule can be well wetted.

Principal application(8): other purposes

Melting point-raise agent for petroleum product; lubricant and anticorrosive agent for drawbench of metal; embedding materials of electric component; anti-foam additive and coating component of paper for paper-making industry; anti-foam additive and constant water-drawing agent; viscosity of asphaltum can be lowered, softening point, water resistance and weather resistance can be enhanced if this product is added into the asphaltum.

State of Food Law

EBS conforms to food regulations of many nations, can be used for applications about the food, such as Bgvv and FDA.

Packaging and Transportation

This product should be put into woven bag into brown paper, 20kg /bag or 25kg /bag

It should be packed in woven bags in brown paper for 20 or 25kg /bag.

It should be prevented from the sun and rain, stored in ventilated place. Generally speaking, it is stored and transported as chemical products.