

PN 100

Description

DOOBON PN-100 is an excellent additive that can reduce the frictional resistance between the surfaces of finished parts at service temperatures for ENPLA plastic manufacturers and processors.

Structure $C_{17}H_{35}COONa$

Appearance White powder

Specifications

Moisture	%	Max 3.0
Iron (as Fe³⁺)	ppm	Max 100
Melting Point	°C	210~230
Free Fatty Acid	%	Max 2.0

Handling

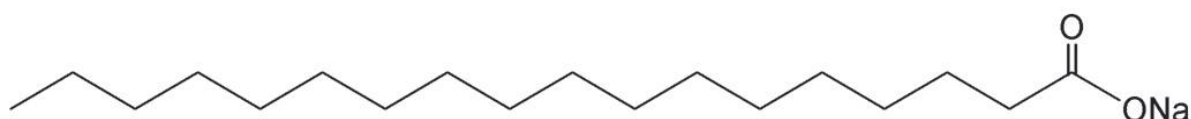
Packaging Paper Bags, PE inner liner, 10 kg net
Storage Cool, Dry and well ventilated area at room temperature

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

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Structure of PN-100



nonpolar

polar

PN 100(sodium stearate) has a polar end (the carboxylate, water loving or hydrophilic) and a non polar tail(the hydrocarbon, water hating or hydrophobic). Because of special properties like this, Grease (not ordinarily soluble in water) dissolves and is washed away with the dispersed PN 100

Applications of PN-100

Thickner in cleansing lotion and shampoos.

Gelling agent for some oil type cosmetics.

Emulsifier in polymerization of butadien and synthetic rubber (acrylonitrile, styrene, acrylic ester)

Lubricant and **stabiliser** in nylon processing

Ingredient in coating with calcium carbonate.