

Technical Data Sheet

Product - ADWIL WAX-C

Typical Specification

Appearance	: Beads/Powder
Acid Value	: 10 Max.
Melting Point °C	: 143 ± 5

Product Properties

- Adwil wax-C is an amide wax of type N,N-bis-stearyl ethylenediamine with particularly good thermal stability. It provides typical slip and antiblocking characteristics to all polymer e.g. films
- Improves the flow properties of polymer melts & improves pigment dispersion in polyolefin.
- Adwil wax-C doesn't affect the transparency of polymers and acts as lubricant in wide variety of polymer like PVC, PO, PS and engineering plastics.

Suggested Application

- Release agent and flow promoter for all engineering resins, Styrene's, and their copolymers.
- Slip- and anti-blocking agent for polyolefins and PVC, especially for film applications and alsolubricant for wood plastic composites and plastics.
- Dispersing agent for masterbatch applications, preferably for engineering resins and PVC.
- It is used as lubricant, anti-sticking & release agent for rubber, surface modifier for fillers.
- It can also be used as dispersant for FRLS PVC Compounds.

Dosage

- 0.5 to 2.0 phr in PVC (as per end-use requirement)
- 0.5 - 1% on total compound weight in engineering polymers
- 0.2 to 1.0 phr in TPU as internal mould release agent in Injection moulding application.

General Information

- Product Packaging: 20/25 kg bag
- Storage and handling: Full information on handling of the product is available on request.
- Shelf Life: Minimum shelf life is 2 years from date of manufacturing.

* The above information is provided based on specific working conditions.

* Any user of this product is responsible for determining the suitability of Adani Wilmar's product for its application.

Technical Data Sheet

Product – ADWIL AID-T (Fatty Amine Ester)

Type- Oleochemical derivative

Typical Specification

- Appearance : Tan powder/Beads
- Melting Point °C : 105 ± 5 °C

Product Properties

- ADWIL AID-T is a processing aid which acts as a coupling agent between polymers and fillers.
- ADWIL AID-T particles get activated when heat and shear is applied and thus creating a network of fiber like structure between polymer and filler.
- Helps to lower the viscosity and improved the flow at processing temperature.
- Uniform and homogenous dispersion of fillers and others ingredient in the filled compounds
- Lower die swell & Reduce batch to batch variation
- It also helps to reduce the FPV and will reduce the screen blocking, reduce machinedown time and increase the output.
- Allow higher filler
- Gives excellent release effect
- Impart better gloss to the final moulded products

Suggested Application

- Polyolefin based masterbatch
- Filled PP/PE compound based on Talc, CaCO_3 , Glass fibre etc.
- FR compounds
- Highly filled TPE/TPO compounds
- Thermosetting moulding powder- PF, SMC, BMC

Dosage

- 0.5 to 1.5 % on total compound weight.

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Technical Data Sheet

Product – ADWIL LUBE PEG50

Typical Specification

- Appearance : White Powder
- Melting Point °C : 60 ± 5 °C

Product Properties

- Internal lubricant which has very high compatibility with PVC.
- It reduces the melt viscosity of PVC mass during processing and imparts the desired flow properties for extrusion process.
- Excellent dimension stability
- Low die swell
- No adverse effect on mechanical properties
- Excellent thermal stability

Suggested Application

- Rigid PVC profile, foam sheet, edge band application

Dosage

- 0.5 – 1.0 phr

General Information

- Product Packaging : 25 kg bag
- Storage and handling: Full information on handling of the product is available on request.

* The above information is provided based on specific working conditions.

* Any user of this product is responsible for determining the suitability of Adani Wilmar's product for its application.

Technical Data Sheet

Product – ADWIL LUBE HG50

Type- Oleochemical derivative

Typical Specification

- Appearance : Tan Powder
- Melting Point °C : 55 - 60 °C

Product Properties

- Internal lubricant
- Excellent flow improver
- Also used in fitting/molded application.
- Also suitable for transparent products
- Improves the surfaces gloss.

Suggested Application

- Rigid PVC Pipes, profile, and conduits
- Rigid PVC fitting/moulding application

Dosage

- Rigid PVC – 0.6- 1.5 Phr
- Soft PVC – 0.5- 1.0 Phr

* The above information is provided based on specific working conditions.

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