



Aerolube Technologies



Technical Data Sheet

Siltech 607 Silicone Grease Like Compound for use as a Release and Separating Agent

Applications

- Release agent for epoxy, polystyrenes, PVC, polyesters and other plastics
- Release agent on polished dies for vinyl sheet embossing to improve surface finish of vinyl processed materials
- Release agent for plastic extruders and processing equipment
- Break in treatment for bladders on tyre presses
- Mold release agent for foundry shell and core molds
- Rubber lubricant and preservative to maintain its resilience to age hardening and stress cracking
- Release agent for adhesives and glues in plywood and board manufacturing industry for acting as an anti-stick agent and preventing contact and adhesion of adhesive glues to machine components
- In metal casting applications during shell molding process for breaking in new casts, zinc molding plates smoother operations, lesser rejection, increasing life of the dies, improving surface finish and outlook of components and chill casting of brass

Benefits

- Wide service temperature range from -40°C to +204°C
- Very low volatility
- Very good thermal and oxidation stability and minimizes build up on mold
- Nontoxic, non-melting and odorless
- Chemically inert and does not react with plastics and metals
- Suitable for high temperature molding operations
- Excellent release properties increases production output while minimizing rejection
- Resistant to water
- Does not dry out

Directions for Use

Apply by means of hand, brush or putty knife. Can also be dispersed in solvents like mineral spirits, xylene or methyl ethyl ketone for thinning the consistency and making it easier to apply by brushing, dipping or spraying. Do not mix with other oils or grease.

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

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TECHNICAL PROPERTIES

Parameter	Value	Unit	Standard
Type	Silicone oil / inorganic thickener		
Appearance	Smooth grease		
Base oil	Silicone		
Thickener	Inorganic filler		
Color ¹	White, translucent		
Penetration, worked, 60	270-300	mm/10	ASTM D 217
NLGI consistency	1-2	Class	DIN 51 818
Density, @ 25°C	1	g/cm ³	
Drop point	None	°C	ASTM D 566
Service temperatures	-40 to +204	°C	
Evaporation, 24 hours / 200° C	1 max	%	
Bleed, 24 h, 200° C	6.5 max	%	
Type	Silicone oil / inorganic thickener		
Appearance	Smooth grease		

1. Minor color variation of the same product but of different batches could be possible. However the lubrication values remain unchanged.

Available Packaging

5 Kg, 20 Kg

Shelf Life

36 months from date of manufacture in sealed condition.

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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