



Technical Data Sheet

SILASTIC™ DY 35-1306 Liquid Silicone Rubber

Liquid silicone rubber designed for OA roller application

Features & Benefits

- Low hardness 9 (JIS-A)
- Reddish brown color coming from iron oxide
- Good compression set
- Good heat stability

Applications

- Pressure rollers
- Heat rollers

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test ¹	Property	Unit	Result
As supplied			
CTM 0176 B	Appearance, part A		Reddish brown
CTM 0176 B	Appearance, part B		Reddish brown
CTM 1094 C	Viscosity, part A ²	Pa.s	82
CTM 1094 C	Viscosity, part B ²	Pa.s	84
Cure properties: 3 minutes at 130°C (266°F) by Curelastometer			
CTM 1059 B	T-10	s	36
Cure conditions: 6 mm thickness slabs molded 10 minutes at 120°C (248°F) and post-cured 4 hours at 200°C (392°F)			
CTM 0099 L	Hardness (JIS-A)		9
Cure conditions: 2mm thickness slabs molded 10 minutes at 120°C (248°F) and post-cured 4 hours at 200°C (392°F)			
JIS K 6249	Density	g/cm ³	1.27
JIS K 6249	Tensile strength, JIS#3	MPa	1.3
JIS K 6249	Elongation, JIS#3	%	310
JIS K 6249	Compression set ³ (22 hours at 180°C (356°F))	%	4

1. CTM: Dow Corporate Test Methods, copies of CTM are available on request
JIS: Japanese Industrial Standard.
2. Viscosity: Rheometer (Y=10 s⁻¹)
3. Cure conditions: Compression set buttons molded 15 minutes at 120°C (248°F) and post-cured 4 hours at 200°C (392°F)

Description	SILASTIC™ DY 35-1306 Liquid Silicone Rubber is a two-component, 9 JIS-A hardness material specially designed for casting and liquid injection molding. SILASTIC™ DY 35-1306 Liquid Silicone Rubber is specially designed for roller application such as pressure roller, heat roller for which good compression set and heat stability are desired.
How To Use	<p>SILASTIC™ DY 35-1306 Liquid Silicone Rubber is supplied as part A and B, which are meant to be combined in a 1-to-1 ratio. It is recommended that the two components be combined using process equipment that will not introduce air contamination. Standard cure temperature is around 120°C (248°F), and its cure time depends on the thickness of the final products. Post-cure condition would be 4 hours at 200°C (392°F) after molding in most cases.</p> <p>SILASTIC™ DY 35-1306 Liquid Silicone Rubber's viscosity can be reduced by mixing with solvent, however, filler in SILASTIC™ DY 35-1306 Liquid Silicone Rubber will be precipitated. Such using is out of our quality assurances and please test under your use conditions to confirm that the material performance satisfies your requirements.</p>
Inhibition Of Cure	The cure mechanism of this product can be inhibited by amines, sulfurs, tin complexes and some peroxides.
Handling Precautions	PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.
Usable Life and Storage	When stored at or below 32°C (90°F) in the original unopened containers, this product has a usable life of 9 months from the date of production.
Packaging Information	This product is supplied in lot matched kits: in drums (200 kg and 200 kg).
Limitations	This product is neither tested nor represented as suitable for medical or pharmaceutical uses.
Health and Environmental Information	<p>To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.</p> <p>For further information, please see our website, dow.com or consult your local Dow representative.</p>

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

