



Teflon™ Solvent Based One-Coat

Industrial Coatings

958G-303, 958G-313

Fact Sheet

Solvent Based PTFE coatings, specially formulated to provide a tough, durable film for dry lubrication, with excellent salt spray resistance. In addition, 958-313 has exceptionally good abrasion resistance. The color will change at the higher bakes to a brown cast, but performance will not be affected.

Property Data ¹

Product Code	958G-303	958G-313
Color	Black	Black
Closest RAL	9011	9011
Coverage, ² m ² /kg (m ² /L) (ft ² /gal)	6.47 (6.84) (279)	7.48 (8.14) (332)
Viscosity, ³ centipoises	200 - 870	500 - 900
Volume Solids, %	16.6 – 17.6	19.9 – 20.9
Weight Solids, ⁴ %	24.6 – 28.6	25.5 – 29.5
Density, kg/l (lbs/gal)	1.058 (8.83)	1.089 (9.09)
VOC content, Europe, ⁵ g/kg	734.0	690.0
Maximum In-Use Temperature, °C (°F)	260 (500)	260 (500)
Flash Point, SETA closed cup, °C (°F)	43 (109)	43 (109)

¹Physical constants are averages only and are not to be used as product specifications. They may vary up to ±5% of the values shown

²Theoretical coverage at dry film thickness (DFT) of 1.0 mils (25µ) based on 100% application efficiency. It does not take normal production losses into account

³Brookfield RVT (Measured with spindle 2 at 20 RPM/25°C)

⁴Weight Solids (Measured 30'x105°C+15'x350°C)

⁵Weight % volatiles based on volatiles with vapor pressure ≥ 0.1 hPa. US VOC (ap) and VOC (le) are listed on the US Safety data sheet, available upon request

Application Method

Substrate	Carbon steel, stainless steel, aluminium, aluminized steel, other suitable. Elements of impurity can have a reverse impact on quality of the coated article. Pre-treatments, which withstand the curing temperature, are suitable. The part to be coated shall be of design and degree of workmanship such as to produce excellent quality merchandise based on accepted industry standards.
Surface Preparation	Apply over a clean (vapor degrease, prebake, or other), roughened surface with aluminum oxide (Ra 2-3µm). For carbon steel, a zinc or manganese phosphate conversion coating should be applied after grit-blast. These products also adhere well to most hard anodized aluminum surfaces
Coating Preparation	Mix 15 minutes or more until contents are homogeneous. Set the mixer speed so that a strong vortex appears while avoiding air entrapment. We recommend the use of an axial flow impeller. Insufficient mixing can result in application defects.
Filtering	200 mesh (approx. 70 µm) stainless steel or nylon
Application	Preferable RP (Reduced Pressure) guns, HVLP or conventional guns are also possible. Nozzle: 1.0-1.4 mm. Atomizing air pressure: 2-4 bar (30-60 psi). For safety reasons, we do not recommend manual electrostatic spray application.
Recommended DFT*	15–20 µm (0.6–0.8 mil). This product is not recommended to be applied in multiple layers.
Drying (metal temp.)	5-10 min. at 150-170°C (300-340°F). If humidity is high, put in oven immediately.
Curing (metal temp.)	15 min at 343°C (650°F). These products can be cured at temperatures as low as 250°C (480°F) by extending the cure time. However, the toughness and durability of the coating decreases as the cure temperature is reduced below 343°C (650°F).
Clean up	TN-8596, N-Methyl-Pyrrolidone
Thinner / Additive	TN-8596, TN-8595

* Dry Film Thickness (DFT) measured with Dual probe ED10 or FD10 used in combination with the Dualscope MP20, MP40, FMP20 or FMP40

All recommendations are based upon best knowledge



Handling and Storage

- Gently mix (15 min at 30RPM) before use
- Shelf life is 18 months at optimal storage conditions: 18°C-27°C (65°F-80°F). Maximum storage temperature 30°C (86°F).
- Transport conditions: 5°C-40°C (40°F-105°F). For safe storage conditions, please refer to safety data sheet.

For medical application and development, consult Chemours.

Food Contact

Those products are not intended for use in direct contact with food.

Disposal and Other Considerations

Please follow the guidelines as outlined by [SPI](#) (The Society of the Plastics Industry) or [PlasticsEurope](#) (Association of Plastics Manufacturers Europe). For detailed information on health and safety, refer to the Safety Data Sheet.

For disposal, please follow these guidelines:

- All treatment, storage, transportation, and disposal of this product and/or container must be in accordance with applicable national and local regulations.
- Do not discharge aqueous dispersions to lakes, streams or waterways.
- Separate solids from liquid by precipitation and decanting or filtering. Dispose of dry solids in a landfill that is permitted, licensed or registered to manage industrial solid waste. Discharge liquid filtrate to a wastewater treatment system.
- Incinerate only if incinerator operates at 800°C or higher and is capable of scrubbing out hydrogen fluoride and other acidic combustion products.
- Industrial fluoropolymer waste containing additives such as solvents, primers or thinners must be regarded as special waste. Companies should contact their local waste disposal authorities for details of the relevant waste disposal regulations.
- Empty containers should preferably be cleaned and recycled. If this is not possible, the containers should be punctured or otherwise destroyed before disposal.

For more information on Chemours Nonstick coatings: www.chemours.com or www.teflon.com

The Chemours Company
1007 Market Street
P.O. Box 2047
Wilmington, DE 19899
T: +1 302 773 1000

Asia Pacific
The Chemours Chemical
(Shanghai) Co., Ltd.
Shanghai, China
T: +86 21 3862 2888

Europe
Chemours Belgium BVBA
Kallo, Belgium
T: +32 3 730 2211

Latin America
Chemours do Brasil, S.A.
Sao Paulo, Brasil
T: +55 11 2599 8574

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