

RULON® 488
MATERIAL SAFETY DATA SHEET

Ingredients and Exposure Limits	CAS Number	ACGIH TLV – TWA	OSHA PEL – TWA
Polytetrafluoroethylene	9002-84-0	NE	NE
Non-respirable fibers and particulate		15 mg/m ³ (total dust)	5 mg/m ³ (respirable)
Pigment < 1% by Wt		mg/m ³	mg/m ³
* Copper (as Cu)	7440-50-8	1.0 (dust) 0.2 (fume)	1.0 (dust) 0.1 (fume)
* Cobalt (as Co)	7440-48-4	0.02	0.10
* Chromium (as Cr)	7440-47-3	0.5	0.5
* Manganese (as Mn)	7440-02-0	0.2	5.0
* Zinc (Zn)	7440-66-6	NE	NE

Components not precisely identified are proprietary or non-hazardous.

All Components appear on TSCA

* Toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and 40 CFR Part 372. Pigment is formed by high temperature calcination. Therefore, it does not necessarily have any of the properties of its component oxides or metals.

NE: None Established

PHYSICAL & CHEMICAL DATA

Turquoise solid plastic. Melting range 620-650 °F. Water Insoluble. Specific Gravity 2.25

FIRE, REACTIVITY DATA

Flash Point not applicable

Limited combustible material; self-ignition temperature 968-1040 °F.

Extinguishing Media: Foam, Dry chemical, CO₂

Fire fighters: Wear positive pressure, self-contained breathing apparatus (SCBA).

Dense, irritating smoke can be generated in a fire situation, leading to polymer fume fever.

Stable. No hazardous polymerization

Thermal Decomposition Products: CO, CO₂, HF, and potentially toxic fluorinated compounds >750 °F.

Incompatibles: Finely divided metal powders, potent oxidizers like fluorine (F₂) and related compounds.

(Continued)

FIRST AID & EMERGENCY PROCEDURES

Inhalation: If exposed to fumes from overheating or if difficulty in breathing occurs, move personnel to fresh air immediately. Consult a physician if necessary.

Skin: Washing thoroughly with soap and water after handling is recommended. If hot polymer gets on skin, cool rapidly with cold water. Do not peel polymer from skin. Get medical treatment for thermal burn.

Eyes: If material gets in eyes, flush with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Not likely to be hazardous. Consult a physician if necessary.

DOT: Non-hazardous

DISCLAIMER

All statements, technical information and recommendations contained herein are based on available scientific tests or data, which we believe to be reliable. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products may be used. Saint-Gobain Performance Plastics assumes no liability or responsibility for loss or damage resulting from the improper use or handling of our products, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the products label and Material Safety Data Sheet.