



Product Application Guide

Coating



Application

- Reduction of assembly forces
- Multiple mounting/assembly possible without significant reduction of assembly forces
- Improved feeding and singularization in assembly lines
- Increased dynamic performance

Product Description

Our O-Rings and Sealings can be provided with an additional surface treatment to reduce friction during movement, for example in an assembly process, when sliding on a conveyor or in a dynamic application. In other cases, a coloured coating is required to identify the part.

Our Added Values

- Selection of the best coating based on the application of the customer
- PFAS free coating
- High and low temperature resistance
- Automatic in house process with fixed parameters
- Measurement of the assembly forces



Sealing Your Success

Disclaimer: In general, the enclosed information, recommendations or advice are given in a good faith. GITIS srl gives no warranty that the same results can be obtained in other laboratories using different condition of preparation and evaluation of the samples. Rev.01 - 06.05.2024





GITIS COATING GUIDE

Technology	GF-T	GF-M	GF-PD	GF-PS	GF-PT	GF-PH	GF-PM
Product Type	Powder	Powder	Water dispersion	Water dispersion	Solvent dispersion	Solvent dispersion	Plasma
Product Base	Talkum	Molykote	PTFE			PTFE	
Function	singolarization		automatic assembly	assembly aid (FDA appr.)	assembly aid	dynamic sealing	anti-sticking
Parts Separation	++	++	+++	+++	+++	+++	+++
Automatic Processing	+	+	++	++	++	++	-
Reduction of Assembly Forces	-	++	+	++	+++	++	-
Chemical Resistance	-	-	-	+	++	++	-
Wear Resistance	-	-	+	++	+++	+++	-
Surface Adhesion	+	+	++	++	+++	+++	-
Cost	+	+	+	++	+++	+++	+
Color	white	silver/grey	transparent	transparent	transparent	transparent / colored	transparent
Properties	powder	greasy powder	elastic, dry	elastic, dry	elastic, dry	elastic, dry	elastic, dry
UV check	no	no	yes	no	no	yes	no
FDA	no	no	no	yes	no	no	yes
PFAS free			no	yes	yes	no	yes

GITIS specializes in the development, manufacturing and distribution of high-quality O-rings and seals for all applications with special requirements regarding temperature and media resistance, service life and product quality. Through innovation, technology and high reliability, **GITIS** has become the reliable partner for markets such as automotive, oil and gas, chemical, food and pharma.

With three plants in Italy and China as well as a development office in Germany, we can implement the experience of 40 years together with our customers in strategic growth sectors.

Sealing Your Success



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