Pressure Seals, Inc.

Thousands of Seals, O-Rings, and U-Cups

O-Ring Surface Coatings

The Color of Money is 1909-21

For your needs, it might be 1909-13 or any one of a variety of surface Coating Colors available from
Pressure Seals, Inc.

The BENEFITS of COATING O-RINGS can equal MONEY for your business.

- **Easier installation** - added lubricity lessens assembly time
- **Easier identification** of parts by color coding - distinguish by size or material
- **Extend wear life** - less corrosion, less degradation, less downtime
- **Resist contamination** from dirt and debris - no messy oil-based lubricants
- **Reduce risk** of repetitive injuries *(carpal tunnel syndrome)*

Surface coating can make the difference between a smooth running machine and frequent repairs. Damage to O-Rings can bring machinery to a halt and that means a loss of productivity and reduced profits. Increase the life of vital parts by adding surface coating... it's a simple solution to what can be a very complicated problem.

Product Reference Chart

Simply check your color selection in the ovals on the left.

Your Selection	Product #	Color	Pantone #	Sample*
○	1909–11	Dark Blue	281C	
○	1909–12	Med. Blue	285C	
○	1909–13	Light Blue	292C	
○	1909–21	Dark Green	3298C	
○	1909–22	Med. Green	3285C	
○	1909–23	Light Green	3265C	
○	1909–31	Red	194C	
○	1909–32	Pink	205C	
○	1909–33	Purple	275U	
○	1909–41	Orange	1595C	
○	1909–42	Yellow	117C	
○	1909–43	Brown	4625C	
○	1909–51	Black	3C2X	
○	1909–52	Gray	432C	
○	1909–53	Clear	N/A	

**Color is representative. Please see actual coating sample if color matching is critical.*

Pressure Seals Inc. 81 Commerce Way, South Windsor, CT 06074
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Surface Coating Solutions - Material Comparisons

Product	Resin Type	Suitable Substrate	Lubricant Pigment	Temperature Capability	Pencil Hardness	Load Bearing Capacity	Taber Abrasion Resistance*	Corrosion Resistance	Chemical Resistance
1500 series Chemical, Corrosion & Abrasion Resistant with/without Lubricants	proprietary	metals, hard plastic, glass	none	500° F.	9H+	medium	3.8	VG	VG
			PTFE	500° F.	7H	medium		VG	G
			MoS2	500° F.	7H	high		VG	G
			Graphite	500° F.	7H	medium		G	P
1600 series Corrosion Resistant	organic	metals	none	400° F.	4H	N/A	46	VG	G
	inorganic	metals		800° F.	5H	N/A		VG	P
1700 series Solid Film Lubricants	organic	metals	PTFE	400° F.	4H	low	110	G	F
		metals	MoS2	400° F.	H	high		G	F
		metals	Graphite	400° F.	H	medium		P	P
	inorganic	metals	PTFE	400° F.	4H	low		P	P
		metals	MoS2	400° F.	H	high		P	P
		metals	Graphite	400° F.	H	medium		P	P
1900 series Elastomeric Coatings	organic	elastomers	PTFE	300° F.	N/A	N/A		N/A	N/A
		elastomers	MoS2	300° F.	N/A	N/A		N/A	N/A
		elastomers	Graphite	300° F.	N/A	N/A		N/A	N/A

* *Taper Abrasion Resistance - mg. loss / 1000 cycles per ASTM*

Corrosion Resistance

VG	Very Good
G	Good
F	Fair
P	Poor

Chemical Resistance

1000 + hrs. NSS	most acids, alkalis, & solvents at ambient, some at elevated temperatures
240 hrs. NSS	some acids, alkalis or solvents at ambient only
96 hrs. NSS	little resistance to chemicals
unsatisfactory	unsatisfactory

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Technical Data Sheet: PTFE 1909

Product Description

1909 is a PTFE dispersion in a thermosetting resin designed to provide lubrication and color identification for elastomer products during assembly. This product facilitates feeding through hoppers and tracks, prevents rolling, minimizes damage during installation and provides an economical color identification solution for similar sized parts or easy identification for partially hidden installations.

Typical Applications

- O-rings
- Seals

Physical Properties

Binder: Thermosetting Resin

Color: Clear (translucent Base)

Coefficient of Friction 0.06 - 0.10

Shelf Life: Six (6) Months

Density: 8.9 lbs./gal.

Solids: 19%

Volatile Organic Compound (VOC): 0.0

Flash Point: None

Service Temperature -40F min.+300F max.

Pretreatment

Suitable pretreatments include alkaline wash, solvent wash, or grit blasting.

Application

Application of this product is proprietary.

Thickness

Recommended film thickness is .0002” - .0007”

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Curing

Curing is accomplished at the minimum cross-linking temperature for this resin type (300F - 400F) to minimize any aging of the elastomer.

1909 NUMBERS	PSI RECIPE NUMBER
T01-BLACK	#51
T02-LIGHT BLUE	#13
T03-BROWN	#43
TO4-GRAY	#52
T05-GREEN	#22
T06-ORANGE	#41
T07-PINK	#32
T08-PURPLE	#33
T09-RED	#31
T10-WHITE	#25
T11-YELLOW	#42
T12-DARK BLUE	#11
T13-MED BLUE	#12
T14-CLEAR	#53
T15 DARK-GREEN	#21

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Technical Data Sheet: PTFE 3150

Product Description

PTFE 3150 is a proprietary blended coating dispersion in a thermosetting resin designed to provide lubrication and color identification for elastomer products during assembly. This product facilitates feeding through hoppers and tracks, prevents rolling, minimizes damage during installation and provides an economical color identification solution for similar sized parts or easy identification for partially hidden installations. This product shows improvements in both adhesion and durability over our standard EST 1909 series PTFE coatings. This product can be used for light dynamic applications. It is the customer's reasonability to test the coating in their particular application to determine fit or function of the coating for that application.

Typical Applications

- O-rings
- Seals
- Gaskets

Physical Properties

Color	Various colors available
Coefficient of Friction	0.07 - 0.11
Service Temperature	-40F min.
	+300F max.

Pretreatment

Suitable pretreatments include alkaline wash, solvent wash, or grit blasting.

Application

Application of this product is proprietary.

Thickness

Recommended film thickness is .0002" - .0007"

Curing

Curing is accomplished at the minimum cross-linking temperature for this resin type (300F - 400F) to minimize any aging of the elastomer.

3150 P NUMBERS	PSI RECIPE NUMBER
P01-BLACK	#114
P02-LIGHT BLUE	#116
P03-BROWN	#119
PO4-GRAY	#120
P05-GREEN	#121
P06-ORANGE	#106
P07-PINK	#115
P08-PURPLE	#105
P09-RED	#107
P10-WHITE	#113
P11-YELLOW	#111
P12-DARK BLUE	#109
P13-MED BLUE	#112
P14-CLEAR	#104
P15-DARK GREEN	#108
P16-MED GREEN	# 117

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