

Seal Jacket Materials

SGPPL Seal Jacket Materials

SGPPL seal jacket materials are compounded and processed for optimum performance in a wide variety of sealing environments. The materials listed below are our most commonly recommended compounds, and

are suitable for most applications. Over the years SGPPL has developed over 500 materials for seal use. These additional compounds are available should they be required in special applications. SGPPL is continually

formulating and developing new materials. For more information, contact our Technical Support (see inside back cover).

| Fluoroloy Code No. | Color | Application All Formulated Materials are Proprietary to Saint-Gobain Performance Plastics | Temp. Range Degrees °C. | Coefficient of Friction | Wear K Factor 15000 = Poor 1 = Excellent |
|--------------------|--------|--|----------------------------|-------------------------|--|
| A01 | White | Virgin PTFE Excellent for light to moderate dynamic and static service. Limited wear and heat resistance. Low gas permeability. Good cryogenic properties. Moderate to hard vacuum service. FDA approved. | +260° To -260° | .09 | 7500 |
| A02 | White | Modified PTFE Excellent for light to moderate dynamic and static service. Limited wear and heat resistance. Low gas permeability. Good cryogenic properties. Moderate to hard vacuum service. FDA approved. Improved creep and extrusion resistance. | +280° To -260° | .09 | 6000 |
| A08 | Tan | Polymer Filled PTFE Superior heat and wear resistance. Non-abrasive. Recommended for moderate to high speed dynamic service running against soft metals. | +315° To -260° | .15 | 2 |
| A09 | Yellow | Formulated UHMW - PE Extremely tough, long wearing but limited heat and chemical resistance. Particularly suitable for abrasive media. Recommended for long wear life under severe conditions. | +90° To -260° | .11 | 9 |
| A12 | Gold | Polymer Filled PTFE Tough, long wearing, heat resistant. Very low friction. Excellent for dry running applications against soft surfaces. Excellent material for reciprocating applications. | +315° To -240° | .09 | 9 |
| A15 | Gray | Lubricated Glass Filled PTFE Similar to A30 material but some what softer for improved sealing at low pressure. Can be abrasive running against soft metals. | +315° To -240° | .09 | 5 |
| A16 | Black | Lubricated Organic Filled PTFE Excellent general purpose material for heat and wear resistance. Recommended for dry and poorly lubricated applications. Particularly suitable for water and steam service. | +315° To -260° | .09 | 12 |
| A22 | Tan | Virgin PEEK A high modulus material with excellent high temperature resistance. Recommended for back-up rings and for specials applications. | +315° To -200° | .40 | 20 |
| A30 | Gold | Glass Formulated PTFE Excellent heat, wear and chemical resistance. Good cryogenic properties. Caution: Can be abrasive running against soft metals at high surface speeds. Excellent material for back-up rings. | +315° To -260° | .09 | 6 |
| A40 | Tan | Polymer Filled PTFE Good wear resistant material for medium hard counterfaces. Caution when used in wet applications. FDA compliant. | +315° To -260° | .10 | 6 |
| A41 | Black | Modified Filled PTFE Excellent all purpose high wear material. Best for dynamic applications running on moderate to hard surfaces. | +315° To -260° | .09 | 30 |
| A42 | Black | Lubricated Formulated PTFE Excellent general purpose material with good heat and wear resistance. Non-abrasive. Compatible with all hydraulic fluids and most chemicals. Good in water and non-lubricating fluids. | +315° To -260° | .09 | 30 |
| A45 | Brown | Polymer Filled PTFE, FDA compliant. Excellent wear material for higher temperatures, pressures and speeds. Superior in dry or poor lubricated applications. | +315° To -260° | .09 | 1 |
| A46 | White | FDA Compliant Filled PTFE Good wear resistant material against all stainless steel counterfaces. This material may be used in contact with food. | +315° To -260° | .20 | 150 |
| A47 | White | FDA Compliant Filled PTFE Very good wear resistant material under wet or lubricated conditions. May be used in contact with foods. | +315° To -260° | .11 | 9 |