

SpiralTrac™

MATERIAL OPTIONS



SpiralTrac™ is manufactured in a variety of materials, aimed at your particular needs and process specifications. Systematic selection of the best material for a given application begins with the material properties. Mechanical, thermal, chemical and other properties.

Material	ENV ID	Max Temp	Application Information	Common use in Industry
Carbon Graphite PTFE <i>Shore D 63-66</i>	ESC	250 F / 121 °C	Engineered polymer used in a wide variety of applications.	Chemical, General Manufacturing, Mining, Power, Pulp & Paper, Steel, Wastewater
Fortron PPS <i>Shore D 82-86</i>	MGE	500 F / 260 °C	High performance polymer suited for applications where intermittent shaft support is required.	Chemical, General Manufacturing, Mining, Power, Pulp & Paper, Steel, Wastewater
Bearing Grade PEEK <i>Shore D 83-87</i>	BGE	500 F / 260 °C	High performance polymer designed for applications that require maximum shaft support.	Chemical, General Manufacturing, Mining, Power, Pulp & Paper, Steel, Wastewater
Glass Filled PTFE <i>Shore D 59-63</i>	GLF	250 F / 121 °C	Engineered "white" polymer typically used in applications where process fluid is white.	Pulp and Paper
Poly-Urethane <i>Shore D 46-50</i>	STR	185 F / 85 °C	Excellent wear properties for slurry services.	Mining, Power, Steel, Wastewater
660 Bearing Grade Bronze <i>Brinell 65</i>	BRZ	n/a	Good wear properties. Material is non-sparking and absorbs moderate shaft deflection without damaging the shaft.	General Manufacturing, Mining, Power, Pulp & Paper, Steel, Wastewater
316 Stainless Steel <i>Rockwell B 95</i>	316	n/a	Used in corrosive services.	Chemical, General Manufacturing, Mining, Power, Pulp & Paper, Steel, Wastewater
416 Stainless Steel <i>Rockwell C 26.6</i>	416	n/a	Ideal for erosive services where chemical compatibility is not an issue.	Chemical, General Manufacturing, Mining, Power, Pulp & Paper, Steel, Wastewater
17-4PH Stainless Steel <i>Rockwell C 36 can be heat treated (HT) to Rockwell C 38-45*</i>	174	n/a	Ultimate wear resistance for tough slurry services.	General Manufacturing, Mining, Power, Pulp & Paper, Steel, Wastewater

*additional charges may apply. During the heat treating process, material discoloration occurs.

Many times, it comes down to the customer's choice as to what is required for material for the SpiralTrac. Product compatibility, cost, pump construction, and installation type are all to be considered when choosing what material is to be used. The above list is only a guideline for material selection and Industry applicability. Exotic materials available upon request. Please email support@enviroseal.ca for any application that does not fall within the above guidelines, or if you have any other questions.

