

Haiflon® PTFE Compound SGC-15GL GREEN

85% VIRGIN PTFE

15%±1% GLASS FIBER

+ SPECIAL PIGMENT IN ACCORDANCE TO THE EUROPEAN ROHS DIRECTIVE

Haiflon® PTFE Compound SGC-15GL GREEN is a glass fiber reinforced PTFE compound consisting of 85% virgin PTFE and 15%±1% glass fiber. It offers significantly improved wear resistance, mechanical strength, and dimensional stability under load compared with unfilled PTFE, while maintaining excellent chemical resistance, low friction properties, and wide service temperature range. This material is suitable for bearings, bushings, and seal rings. This grade contains a special pigment in accordance with the European RoHS directive.

Composition By Weight % & Filler Description

Property	Test Method	Unit	Value
Specific Gravity	ASTM D-4894	g/cm ³	2.21±0.03
Tensile strength*	ASTM D-4894	MPa	Min 15
Elongation at break*	ASTM D-4894	%	Min 220
Bulk Density	ASTM D-4894	g/L	780±50
Hardness	Shore D	—	58–63
Diametric Shrinkage	Internal	%	2.0±0.5
Flow	Internal	Sec/120g	≤5
Average Particle Size	ASTM D-4894	µm	550±100

*Cross direction

Recommended Processing Conditions

Recommended Moulding Pressure: 350-400kg/cm²

Max Sintering Temperature: 370-375°C

Safety toxicology

This product is a fluoroplastic material, so normal precautions observed with fluoroplastics should be followed.

Packing, Storage & Transportation

- Packed with sealed PVC bag, load in waterproof paper barrel. The net weight is 25±0.1kg per barrel.
- Not classified as hazardous for transport. Avoid shaking and heating during transportation.
- It should be stocked in clean, cool and dry warehouse, prevent from agglomeration and contamination.