

CPI-PTFEBF - PTFE FILLED WITH 40% BRONZE AND 60% VIRGIN PTFE

Colour: bronze

Good mechanical properties. Good thermal conductor. Good resistance to deformation under load. It supports well the rubbing wear with very heavy loads and low speeds. It is most suitable for hydraulic systems. Not suitable for chlorine, acids and pure oxygen.



Properties	Value	Unit	Standard
Hardness	≥64-68	Shore D	ISO 868
Denisty	3.10~3.20	g/cm ³	DIN 534790
Tensile strength	≥20	Mpa	ASTM D4745-79
Elongation at break	≥190	%	ASTM D4745-79
Working temperature	-180~250	°C	

CPI-PTFE FILLED

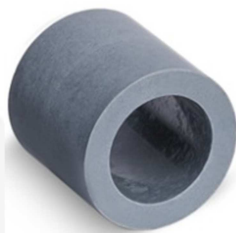


CPI-PTFEGD - PTFE FILLED WITH 15% GLASS FIBERS, 5% MOS₂ POWDER AND 80%

VIRGIN PTFE

Colour: Grey

Good balance of electrical and chemical mechanical properties. Resist acids and alkalis, except hydrofluoric acid and strong alkalis. It wears more lubricated with water. It has similar applications than fiberglass PTFE but, comparatively, it is less abrasive, has lower coefficient of friction, similar wear and lower electrical properties.



Properties	Value	Unit	Standard
Hardness	≥63	Shore D	ISO 868
Denisty	2.29	g/cm ³	DIN 534790
Tensile strength	≥17	Mpa	ASTM D4745-79
Elongation at break	≥220	%	ASTM D4745-79
Working temperature	-180~260	°C	

CPI-PTFE FILLED



CPI-PTFECD PTFE FILLED WITH 25% CARBON POWDER AND 75% VIRGIN PTFE

Colour: black

Good mechanical and chemical properties. Not recommended for oxidizing environment. Antistatic. It works well on dry and with water. Good heat conductor. It supports well the friction wear with heavy loads at intermediate superficial speeds. Suitable for compression rings.



Properties	Value	Unit	Standard
Hardness	≥68	Shore D	ISO 868
Denisty	2.09	g/cm ³	DIN 534790
Tensile strength	≥17	Mpa	ASTM D4745-79
Elongation at break	≥180	%	ASTM D4745-79
Working temperature	-180~240	°C	