

# TG CARBUDES 230

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## SINTERED SILICON CARBIDE CERAMIC

Tecnical data				
Hardness average	Density	Thermal conductivity	Thermal expansion	Working temperature
2300 Vickers	3,15 gr/cm <sup>3</sup>	115 W/m.K (20 a 600 °C)	4,2 x 10 <sup>-6</sup> K <sup>-1</sup> (20 a 600 °C)	1400 °C (max.)
Forms of supply				
S/flat parts, pipes, impellers, ducts, mechanical seals, diffusers, hydrocyclones...				

Hardness up to 2300 Vickers, resistance to chemical attacks and high resistance to friction wear are among its main properties.

The new generation of sintered silicon carbide ceramics is the best option for excellence.

CHEMICAL resistance																							
Hydrochloric acid HCl (conc. 36%)	Zinc chloride ZCl (conc. 60%)	Nitric acid HNO <sub>3</sub> (conc. 65%)	Ammonium nitrate (conc. 50%)	Sulphuric acid H <sub>2</sub> SO <sub>4</sub> (conc. 50%)	Sulphuric acid H <sub>2</sub> SO <sub>4</sub> (conc. 98%)	Phosphoric acid H <sub>3</sub> PO <sub>4</sub> (conc. 85%)	Hydrofluoric acid HF (conc. 40%)	Sodium hydroxide NaOH (conc. 30%)	Potassium hydroxide KOH (conc. 20%)	Sodium chloride NaCl (cold saturated solution)	Potassium chloride KCl (cold saturated solution)												
20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C	20°C	50°C		
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	0	0	0	0	(+)	0	+	+

For more information, request the Technical Sheet: "Guide to Corrosion Resistance"

- + Corrosion does not appear
- (+) Possible corrosion
- 0 Corrosion appears

