

Grade: **PERLITEX LPN5™**

Product group: HYDRAULIC BONDED INSULATING PERLITE BRICKS

Application: Insulation lining of heating units < 900 °C

Description -

Properties	Guaranteed	Typical	Unit	Standard
Chemical composition				EN ISO 12677
	Al <sub>2</sub> O <sub>3</sub>	12,0	12,8	%
	Fe <sub>2</sub> O <sub>3</sub>	-	2,7	%
	CaO	-	22,0	%
Bulk density	610	550	kg/m <sup>3</sup>	PN EN 1094-4
Cold crushing strength	1,2	1,5	N/mm <sup>2</sup>	PN EN ISO 8895
Classification temperature	-	900	°C	-
Thermal conductivity				PN EN ISO 8894-1
	300 °C	-	0,14	W/mK
	600 °C	-	0,16	W/mK
	800 °C	-	0,19	W/mK

Typical values represent the average of results from the current production. Guaranteed values correspond to mean value due to p. 5.5 of ISO 5022 standard. All values are valid for mechanically-pressed, standard bricks of length ≤250 mm, width ≤124 mm and thickness 50-76 mm (NF1, NF2) and cannot be unconditionally transferred to other shapes (see corresponding sheet of Applicable Tolerances for Finished Products). Due to p.3.2.2 of ISO 5022 standard the properties which are the criteria of compliance assessment are limited to chemical composition and guaranteed physical properties. Properties may be subjected to fluctuations typical of the manufacturing process. PCO reserves the right to modify technical data sheet at any time without prior notice.