Technical Data Sheet	SC-WN Ker 16 WST	60 E-Rev 01
SC-WearStop [®] C 60 / M 60	valid as of:	01.01.2017

Chemically bound ceramics on the basis of corundum

Physical Properties

Bulk density:		2.9	g/cm³
Hardness to Mohs:	~ 8		
Maximum particle size:		3	mm
Compressive strength:	after 1 day: after 7 days: after 28 days:	150 170 190	N/mm² N/mm² N/mm²
Flexural strength:	after 1 day: after 7 days: after 28 days:	15 20 25	N/mm² N/mm² N/mm²
Coefficient of expansion:		1,0 x 10 ⁻⁵	1/K
Thermal conductivity:		1,5	W/mK
Maximum operating temperature:		400	°C
Shrinkage during drying process:		< 0,1	%

Chemical Composition

Components	Mean Values (Weight-%)		
Al ₂ O ₃	70		
CaO	17		
SiO ₂	11		
Others	2		
Additives			

Steel fibres	4,5
Water	5 - 6

Wear Resistance

DIN 52 108 Böhme-c	lisc ¹⁾	1,5	cm ³ /50 cm ²
ASTM C-704 - 94 ²⁾	(However, blast angle 30°)	3,9	ст³

1) neutrally determined by the State Material Test Authority of the University of Kaiserslautern

2) neutrally determined by the publicly appointed and sworn expert, Engineering Office O. Thelen, Melsbach

All values were determined on test bodies and are mean values from standard test methods and therefore do not constitute guaranteed properties for construction items of all kinds, linings etc. in the sense of assured product values; in cases of doubt, pilot trials and/or item tests are recommendable.