



HUANGHE MINERALS CO.,LIMITED

PRODUCTS SPECIFICATION

PRODUCT STEEL FIBER /PP ANTI-CRACK FIBER

VERSION: 2006

CODE: T/QA

ORIGIN: CHINA /HN

Code	330	310	304	446	430	PP I	PP II
	Steel fiber for refractory service package					PP anti-crack fiber	
Chemical property							
C	0.2	0.2	0.15	0.2	0.2	L=3-5mm	L=3-5mm
Si	2.5	2.5	2.5	2.5	2.5	Dia=30-40um	Dia=110-120um
Mn	2.5	2.5	2.5	2.5	2.5	S.G.=0.9g/cc	S.G.=0.92g/cc
Ni	33-37	18-22	8-12	0.7	0.7		
Cr	14-17	22-27	17-20	23-27	16-18		
Cu							
S	0.03	0.03	0.03	0.03	0.03		
P	0.04	0.04	0.04	0.04	0.04		
Physical property							
Melting temp C	1400-1425	1400-1450	1400-1450	1430-1510	1450-1530	160+/-1 C	115+/-5 C
Oxidize temp	1150	1150	1050	1100	820	PP anti-crack fiber is low density, no residue after burning, easy-disperse	
Thermal co-eff (870C)	17.64x10 ⁻⁶	18.54x10 ⁻⁶	20.16x10 ⁻⁶	13.14x10 ⁻⁶	13.68x10 ⁻⁶	In drying program, when reach the melt point, it will soft, shrink, and form the channel for moisture come out from castables. So that to avoid moisture can not come out and crack the castables.	
Thermal condu (540C)	86.9	70.4	65.8	81.2	86.9		
Tensile strengs (870C) MPA	194	155	127	54	48		
Modulus streng (870C) MPA	13.7 x10(4)	12.66x10(4)	12.68x10(4)	9.8x10(4)	8.44x10(4)		
Mineralogy							
Size	Thickness 0.2mm x width 1.0mm x length 20mm (25mm, 30mm, 35mm). Cold cutting and different requested shape is also available						
Pack	Packed in 25kg carton box on pallets shrink-wrapped in container.						
Applicatin	Steel fiber castables are widely used in cement, petrochemical, power plant, ceramic industries for kilns refractory, it can improve anti-spalling, anti-abrasion, anti-thermal shock, and anti-mechanical strength characteristics.						
Description	Melt the requested standard steel in electric furnaces, rotating extract the steel fiber. It has good micro-structure, coarse on surface, high hardness and tensile strength, it can hold refractory or other matrix tightly,						
Price							