

3. 電力行業用鍋爐密封耐火材料

Refractory material for the enclosure of boilers for the line of electrical power

微膨脹耐火可塑料、耐磨耐火可塑料。

Little expansion refractory plastic material, abrasion-resistant and refractory plastic material.



不定形產品 Unshaped products

名稱牌號 Brand of name 指標 Index			微膨脹可塑料		耐磨耐火可塑料			
			little expansion refractory plastic material		abrasion-resistant and refractory plastic material			
			XSG4-1	XSG4-2	XNMS-1	XNMS-2	XNMS-3	XNMS-4
Al ₂ O ₃	%		45-50	≥70	≥80	≥75	≥65	≥55
SiO ₂	%		45-50		≤15	≤25	≤30	≤40
Fe ₂ O ₃	%				≤1.0	≤1.5	≤1.8	≤2.0
燒後線變化	%		+0.8~+2.5	0~2	≤-0.53	≤-0.3	≤-0.5	≤-0.5
Sintered linear change								
體積密度	g/cm ³		≥2.0	≥2.3	≥2.6	≥2.5	≥2.5	≥2.4
Bulk density								
耐壓強度	110℃	Mpa	≥20	≥25	≥70	≥60	≥50	≥50
	1000℃	Mpa	≥20	≥25	≥100	≥180	≥70	≥60
Crushing strength								
抗折強度	110℃	Mpa	≥10	≥15	≥10	≥8	≥7	≥6
	1000℃	Mpa	≥10	≥15	≥15	≥12	≥10	≥8
Bending strength								
耐磨性	CC				≤6	≤8	≤10	≤12
Abrasiveness								
導熱系數	W/M · K				≤1.8	≤1.6	≤1.6	≤1.5
Thermal conductivity								
耐火度	℃		≥1700	≥1790	≥1790	≥1750	≥1730	≥1700
Refractoriness								