

# CERAMIC KAOLINS

## TYPICAL DATA:

	K5	KF-3	KF-2	KN-83
<b>PHYSICAL PROPERTIES</b>				
Whiteness. %	74/76	75/77	78/80	83±1
Dry M.O.R. (psi)	145	130.5	130.5	-
pH	9.1	8.2	8.5	-
Casting concentration. mass %	-/61.4	-/64.3	-/62.1	-
Defloculant demand. mass %	-/0.65	-/0.52	-/0.65	-
Thixotropy. cPs	2.9	2.0	2.0	-
Liquescence. drops Na <sub>2</sub> SiO <sub>3</sub>	6	3	5	4
Casting rate	5.4	1.5	3.0	-
<b>PARTICLE SIZE</b>				
Max +230 mesh residue	0.2	0.3	0.4	-
Max +170 mesh residue	-	-	-	0.1
% Finer than				
20 µm	-/99.1	-/98.8	-/99.3	-/99.4
10 µm	-/92.9	-/93.1	-/93.6	-/93.6
5 µm	-/84.2	-/84.3	-/83.4	-/83.3
2 µm	-/69.1	-/69.5	-/70.3	-/70.4
<b>CHEMICAL ANALYSIS</b>				
SiO <sub>2</sub> (%)	-/48	-/48	-/48	-/47.5
Al <sub>2</sub> O <sub>3</sub> (%)	36/36	36/36	36/36	-/36
Fe <sub>2</sub> O <sub>3</sub> (%)	1.0/1.0	0.8/0.7	0.6/0.6	-/0.5
TiO <sub>2</sub> (%)	0.8/0.8	0.8/0.7	0.8/0.7	-/0.7
CaO (%)	0.4/0.4	0.4/0.4	0.4/0.4	-/0.4
L.O.I. (%)	13-14	13-14	13-14	-
Humidity (%)	14-18	14-18	14-18	14-18