

# SILLIMANITE

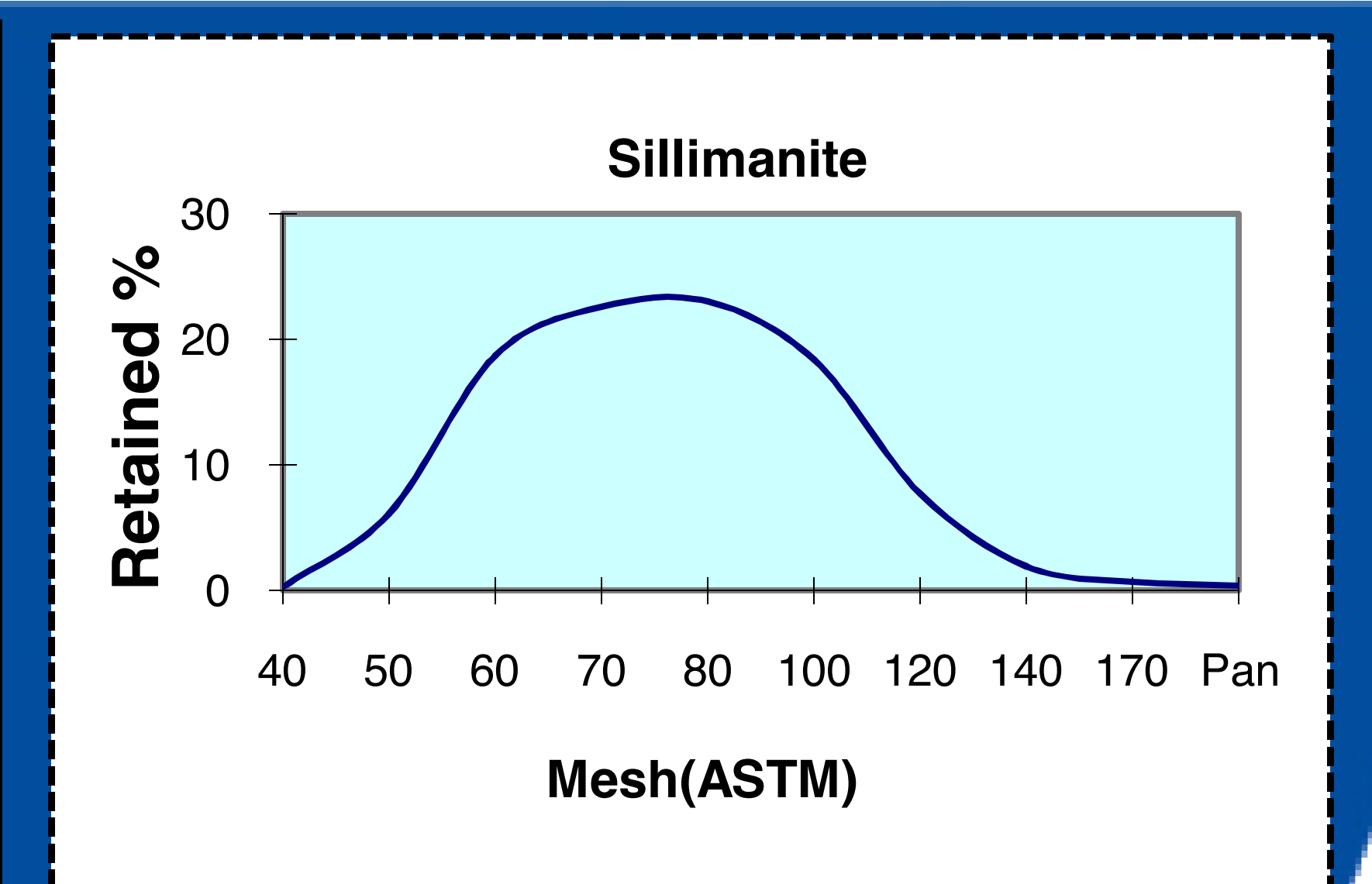
## TYPE RSIL SPECIFICATION



REFRACTORIES

### Particle Size Analysis

Mesh	MM	Guaranteed %	Retained %
40	0.425	0~1	0.28
50	0.300	2~12	6.15
60	0.250	10~30	18.72
70	0.212	15~35	22.6
80	0.180	15~35	23.06
100	0.150	10~30	18.4
120	0.125	2~12	7.73
140	0.106	1~8	1.95
170	0.090	0~4	0.71
Pan		0~1	0.4



### Mineralogical Report

Minerals	Guaranteed (%)	Typical (%)
Sillimanite	97.00 Min	98.80
Rutile	00.50 Max	00.40
Zircon	01.50 Max	00.38
Others	01.00 Max	00.42

### Chemical Content

Elements	Guaranteed (%)	Typical (%)
Al <sub>2</sub> O <sub>3</sub>	60.00 Min	61.87
SiO <sub>2</sub>	36.0 ~ 39.0	36.50
ZrO <sub>2</sub> + HfO <sub>2</sub>	0.80 Max	0.360
Fe <sub>2</sub> O <sub>3</sub>	0.50 Max	0.420
TiO <sub>2</sub>	0.40 Max	0.370
V <sub>2</sub> O <sub>5</sub>	0.30 Max	0.110
P <sub>2</sub> O <sub>5</sub>	0.30 Max	0.050
CaO	0.60 Max	0.180
U(ppm)	25 Max	0
Th (ppm)	50 Max	10

