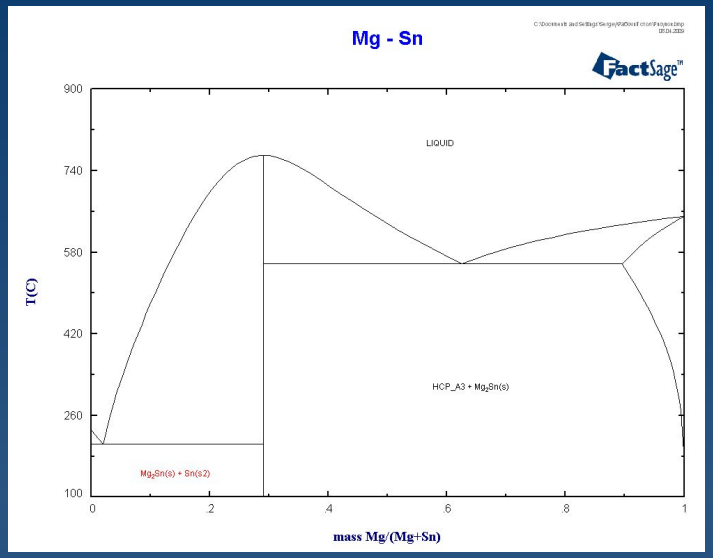
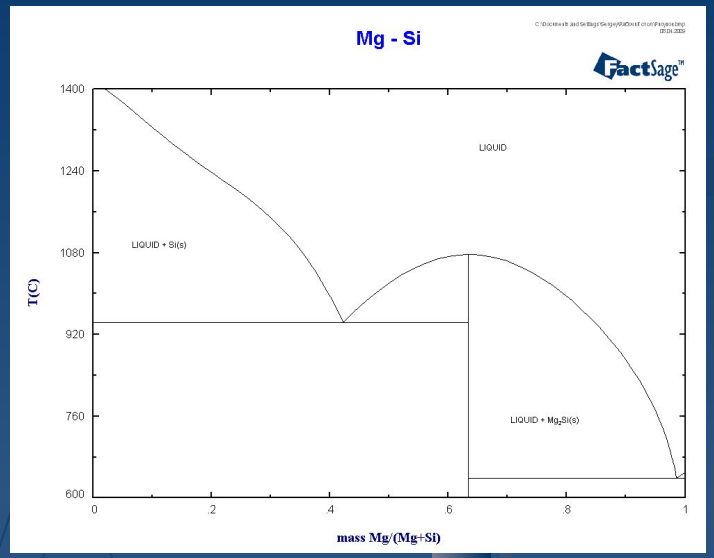
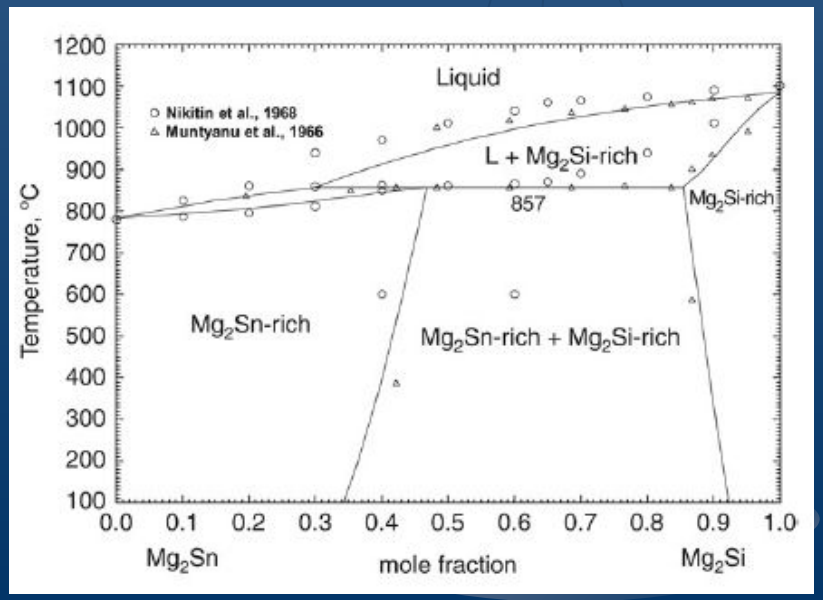
Синтез новых сплавов - интерметаллидов системы Mg-Si-Sn

$$\left[Mg_2(Sn_{0,6}Si_{0,4}) \right]$$

Диаграммы состояния системы

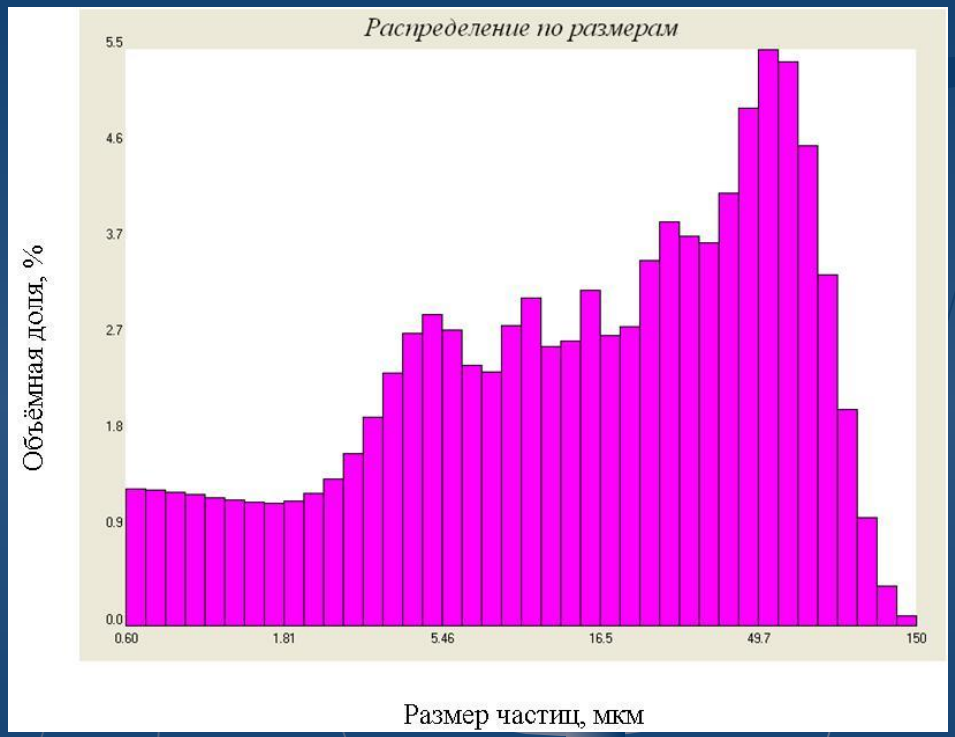






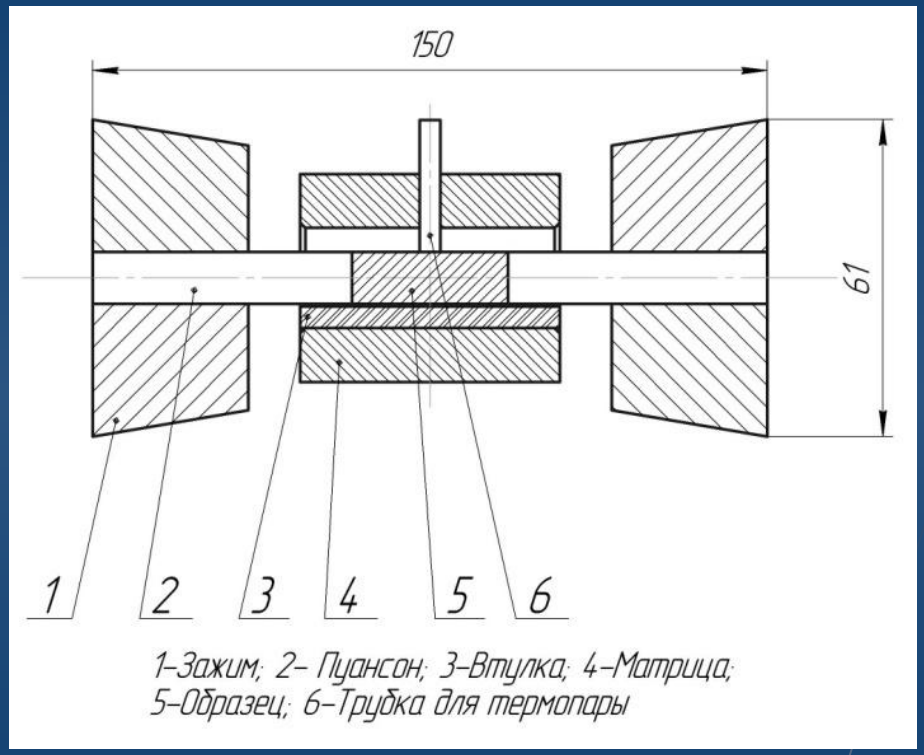
Исходные материалы

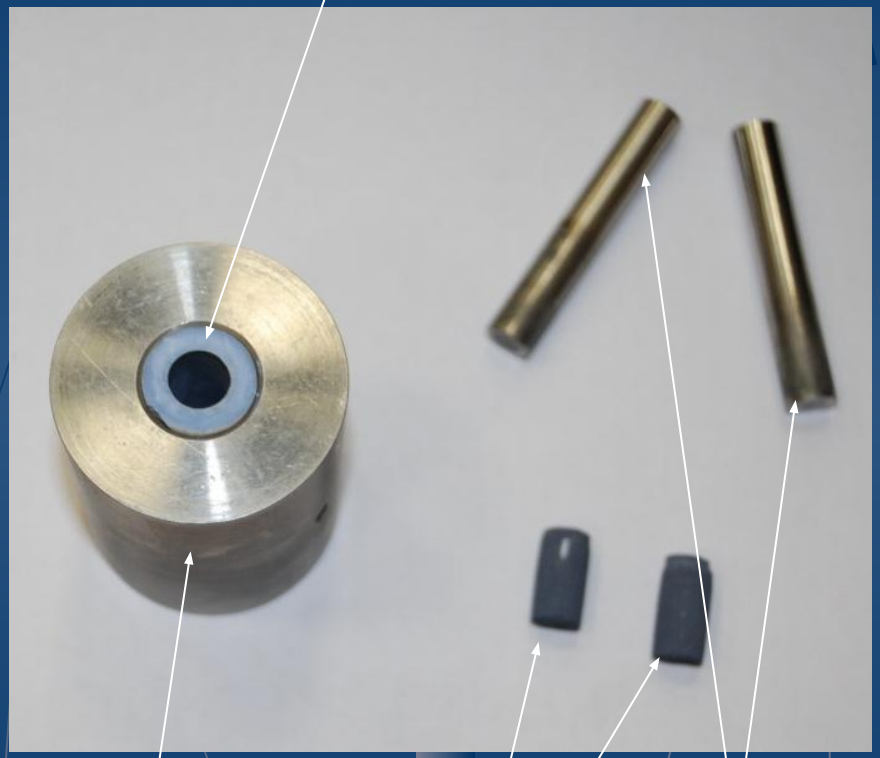
Планетарная шаровая мельница PM100



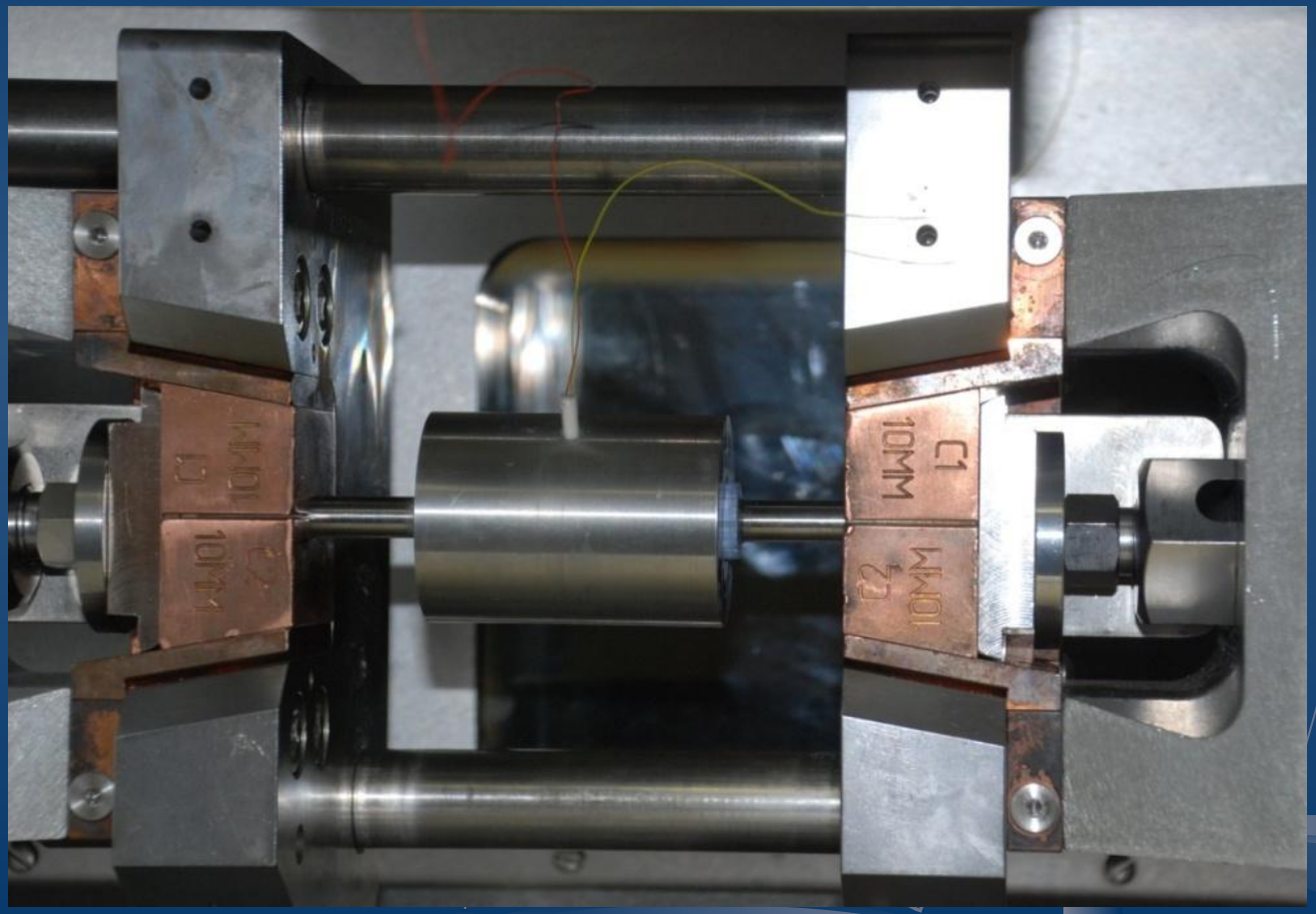
Гистограмма распределения размеров частиц порошка синтезируемого интерметаллида после размола на установке PM100

Оснастка для синтеза



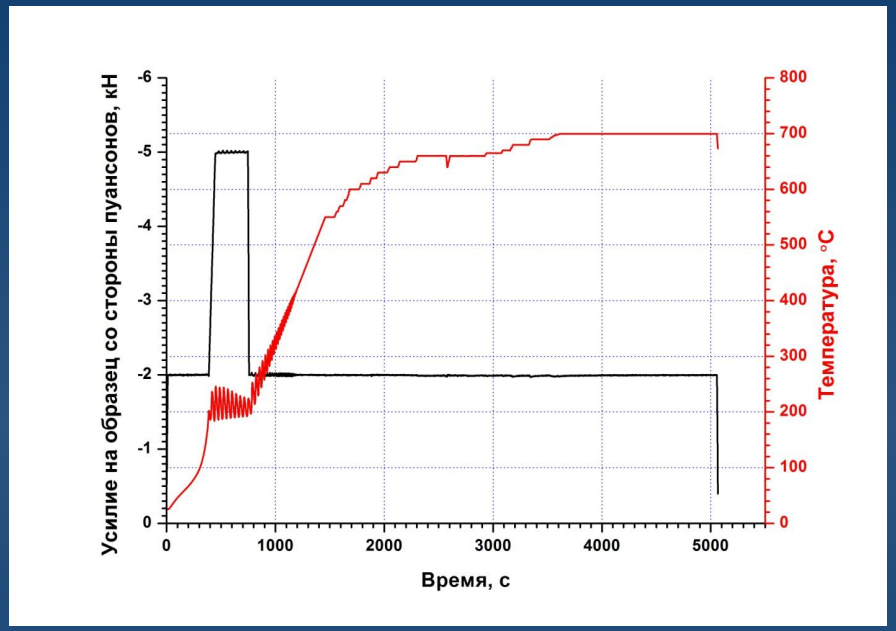


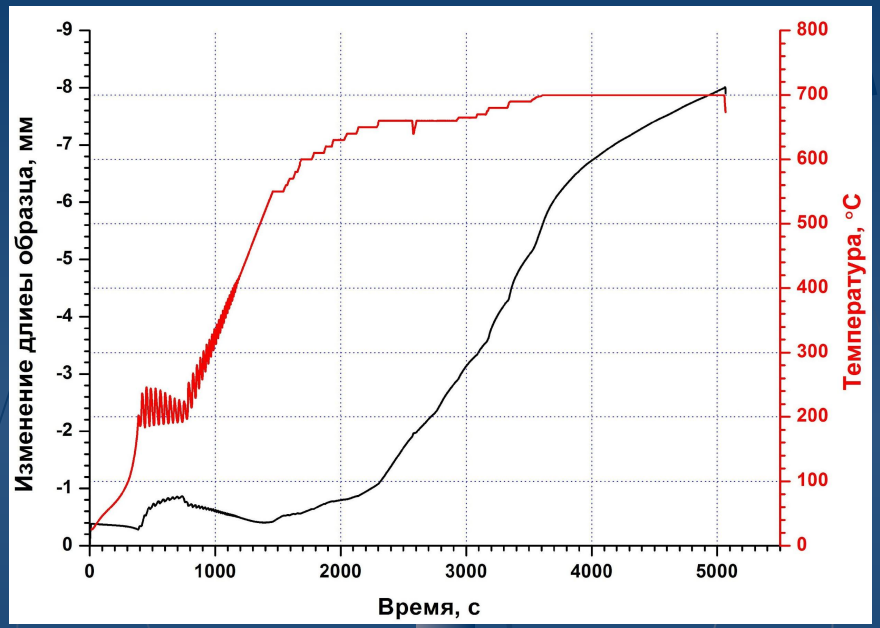
Оснастка для синтеза



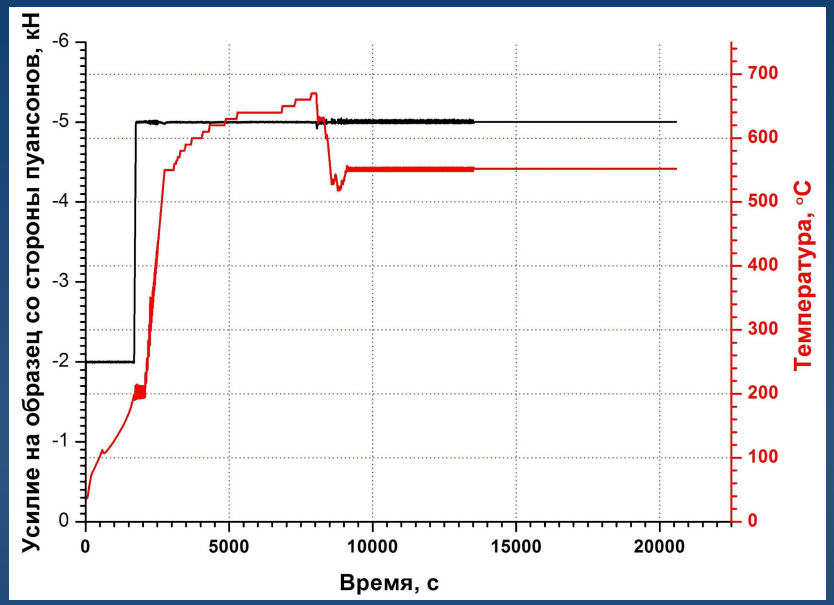
Подготовленная для проведения синтеза камера комплекса Gleeble 3800

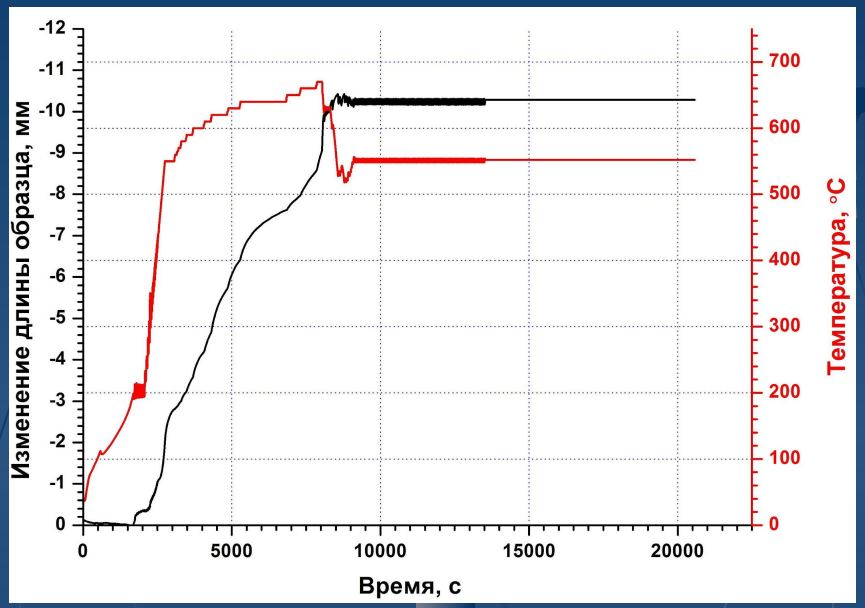
Параметры одного из вариантов синтеза и полученный образец



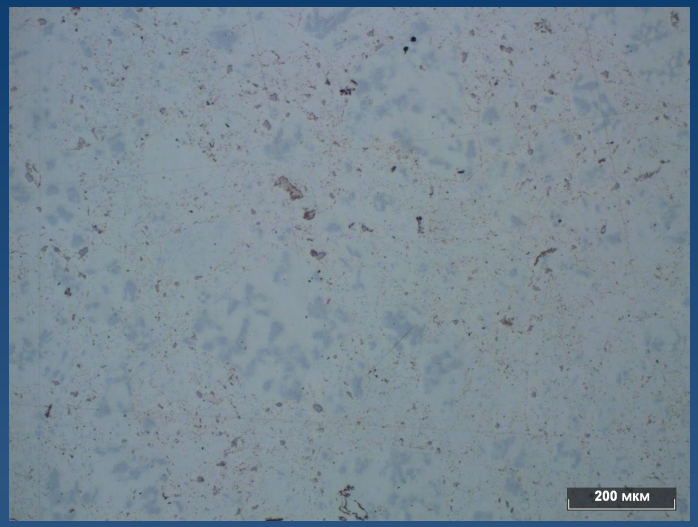


Параметры одного из вариантов синтеза и полученный образец

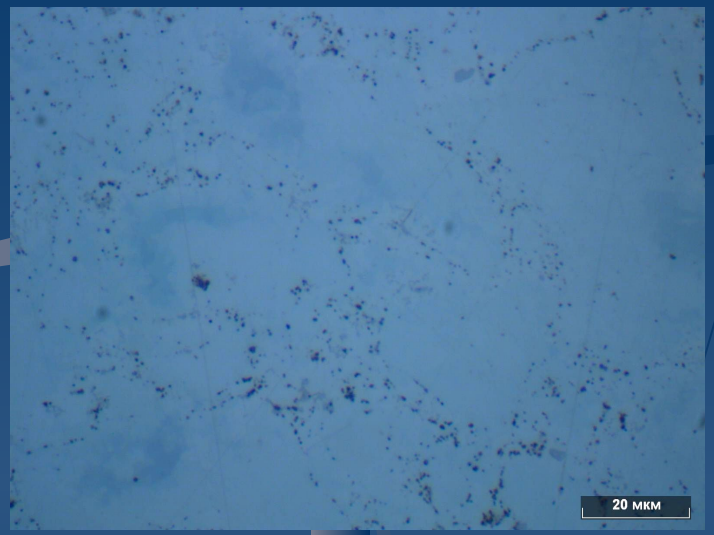
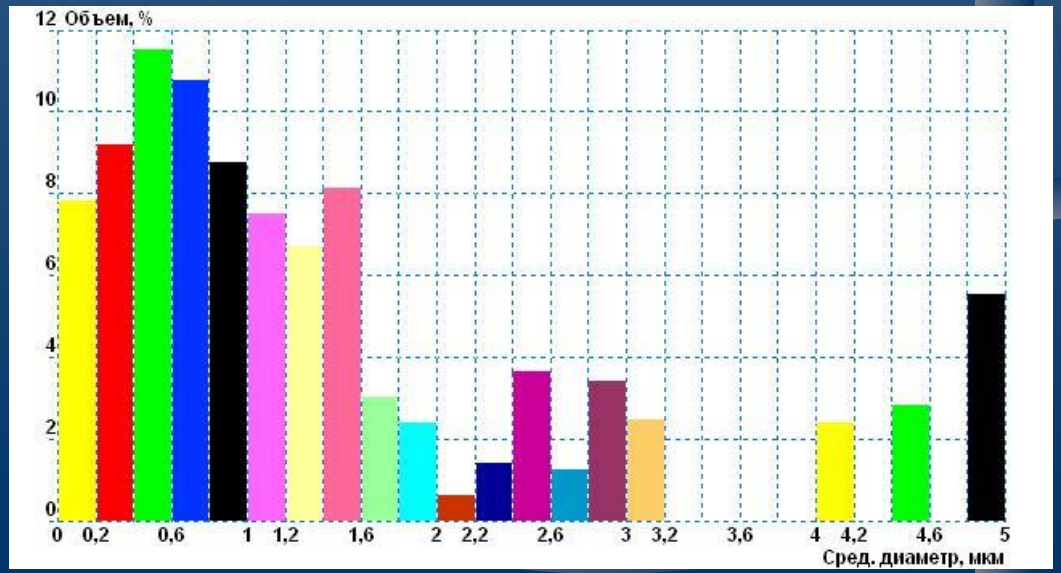




Структура и пористость образца



×
100



×
1000