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## NOMENCLATURE

$\lambda$  = X-ray wavelength

$\theta$  = Bragg angle

$n$  = the order of the reflection

$d$  = spacing between the atomic planes from which reflection takes place

$t$  = Thickness of the film

$\rho$  = density of the material

$A$  = deposited area

$W$  = weight of the deposited film

$r$  = interchain distance.