

Deposition of Metals and Metal Oxides on Plastic Foils

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Self-supporting layers of metal and metal oxides are the most desirable form of targets and films for heavy-ion application. If the self-supporting film cannot be produced in the wanted size or thickness, typically thin self-supporting carbon backing is the choice. But nevertheless there are applications where carbon as a backing does not offer the optimal properties as a backing. Then very often plastic backings are wanted. Several plastics are available commercially with standard backing in a very good quality and homogeneity.

We report on the deposition of metals and metal oxides on various backings, when a standard commercial alternative is not available.