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Research paper

Anisotropic Interfacial Adhesion between Fluoropolymers and RDX

Single Crystal Faces

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GB-T5210-2006 Colour paint and varnish method adhesion test (Paints and varnishes-Pull-off test for adhesion) is a national standard of China for colour paint and varnish.

Principle: The test sample or system was applied to a flat plate with a uniform surface structure, at a uniform thickness. After the coating system had been dried or cured, the pedestal was bonded directly to the surface of the binder or ground. After the glue was cured, the test device was placed on a suitable material test machine. During a controlled tensile test, the tensile force required to destroy the coating or substrate attachment was measured.

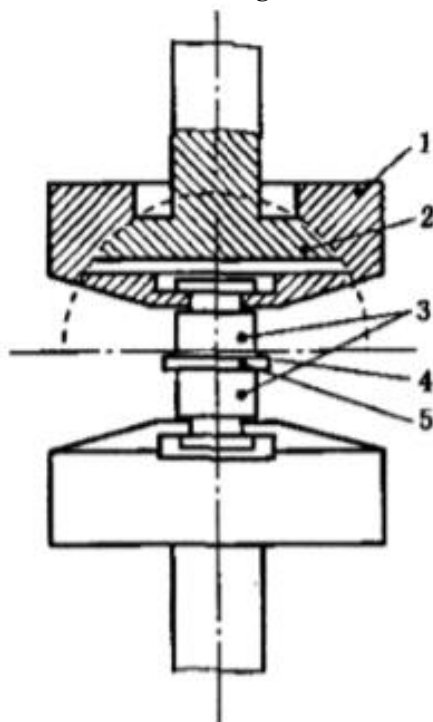


Figure S1. Schematic diagram of the test device: 1 - pillar; 2 - ankle; 3 - pedestal; 4 - binder; 5 - substrate