

POLY-PARA-XYLELENE C, D, N

5 Strengths of Coating Type	5 Weaknesses of Cure Type
<ul style="list-style-type: none">● Excellent uniformity regardless of part geometry ‘ no pinholes, fillets, or bridging● Chemical inertness/barrier properties ‘ insoluble in organic solvents, acids, or bases, with very low permeability rates● Minimal added mass and low outgassing● Biocompatibility allows uses in many medical applications● Low environmental impact process	<p>Vapor Deposition Polymerization</p> <ul style="list-style-type: none">● Parts are processed by batches in a vacuum chamber, not an in-line process● Masking required for no-coat areas● Coating removal and rework generally requires specific equipment, abrasion/micro-blasting most common technique● Limited UV resistance and operating temperature limit, around 120fC [248fF] in the presence of oxygen● Cannot be doped