

Thermoclad Durabond

Thermoplastic Powder Coatings



PROTECH



Thermoclad - Durabond

Functionalized Thermoplastic Powder Coatings

Durabond is Protech's line of high performance, primerless thermoplastic powder coatings which offer superior and outstanding hardness properties. These powders demonstrate excellent melt and flow characteristics which produce a smooth, low gloss appearance without requiring additional additives. Durabond powders are formulated using thermoplastic technology which makes them an excellent alternative to difficult to source nylon based and more expensive technologies. Durabond is available in a wide range of colors and, like all Protech products, is environmentally friendly.

Preliminary Technical Data Information

PRODUCT CODE	ASTM METHOD	DURABOND
Bulk Density of powder, g/cm ³	D-792	0.903
Hardness, Shore D	D-2240	64
Coverage, lb/per ft ² @ 10 mils		0.04
Tensile Strength, psi.	D-651	3230 ± 100
Elongation, %	D-638	16.1 ± 3
Maximum Useful Operating Temperature, °F, Continuous Intermittent		180°F 260°F
Melting Point, °F	D-3418	324°F
Melt Range, °F		320 - 350°F
Dielectric Strength, v/mil	D-149-97a	598
Impact Resistance	D-2794-04	40 in-lbs
Gloss 60°	D-523	20 - 45



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