



PLASTONICS, INC.

Powder Coating Specialists Since 1959

TECHNICAL DATA SHEET #1049 BLACK NYLON

Plastonics #1049 Black Nylon 11 is applied by the Electrostatic Spray process. This medium to high gloss thermoplastic material produces a tough, wear, abrasion and impact resistant finish. It is used where high slip and resistance to chipping, solvents and detergents are needed. This material is also excellent for exterior applications where corrosion and salt spray resistance is needed.

This Nylon is designed to produce a film thickness of .003" to .007". Higher film thickness is possible if required.

CHARACTERISTICS:

PROPERTIES	TEST METHODS	VALUE
Color		Black
Abrasion (Taber Abrader) (CS-17 / 1000 / 1000)	ASTM D-4060	8 – 18 mg. wt. loss
Hardness	Shore D	75
Impact (Direct)	ASTM D-2794	160 in.lbs
Elongation	ASTM D-638	15%
Dielectric Strength	ASTM D-149	>750 volts/mil
Salt Spray	ASTM B-117	1000 + Hrs
Tensile Strength	ASTM D-638	6000 psi

Chemical Resistance: Most strong alkalis, commercial solvents, detergents, oils, greases and gasoline.

Temperature Range (°C): – 40 to + 80

* Test values above should be used as a guide only. All tests were performed on cleaned and primed, zinc phosphate treated CRS panels.

Typical Applications: Automotive clips and wear surfaces, office and institutional furniture, industrial pipe and fittings, food processing and handling equipment as well as marine hardware and shopping carts.



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