

Product data sheet

Resicoat[®] HNF13QF (Corvel[®] 76-7001) Pipe Internal Coating

Product Description

Resicoat[®] PI HNF13QF (Corvel 76-7001) Black is a self-adhering nylon powder coating, with excellent abrasion/wear resistance, good chemical and solvent resistance, good exterior durability, a low coefficient of friction, and excellent machinability. Durable and easy to clean, typical applications for Resicoat PI HNF13QF include automotive clips and wear surfaces, office and institutional furniture, industrial pipe and fittings, good processing and handling equipment, marine hardware, and shopping carts.

	Typical value	Method
Powder Properties	Specific gravity	1.13 Calculated
	Coverage (ft²/lb/mil)	170.17 Calculated
	Storage stability	12 months at ≤ 80 °F (27 °C) when stored in dry conditions.

Application Data

Surface preparation	All oil and grease, mill scale and rust, must be removed. Iron or Zinc phosphate pretreatment is recommended for optimum performance. Water quench is recommended to increase gloss and maximize physical properties. A surfactant (wetting agent) should be added to the water to prevent spotting.	
Preheat	650 °F/6 min.	
Postheat	475 °F/1 min.	
Recommended film thickness	10.0 – 12.0	

Material Properties

Color	black	
60 degree gloss	60 – 80	ASTM D523
Hardness, Shore D	70 – 80	ASTM D2240
Tensile strength	5500 psi	ASTM D638
Melting point	356 – 374 °F (180 – 190 °C)	ASTM D789
Salt spray resistance	1000+ hours –"x" scribe	ASTM B117
Dielectric strength	800 – 1200 volts/mil	ASTM D149
Elongation	10%	ASTM D638
Taber Abrasion	10 – 18 mg loss	ASTM D4060

Drinking Water Approvals

US: ANSI/NSF 61 Drinking Water System Components – Health Effects, NSF

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Disclaimer: This Product Data Sheet is based on the present state of our knowledge and on current laws. The data referring to Powder Properties, Application Data and Physical Tests is based on lab based samples. Factors such as quality or condition of the substrate may have an effect on the use and application of the product. It remains the responsibility of the user to test thoroughly if the product is applicable for the intended use. The use of the product beyond our recommendation releases us from our responsibility, unless we have recommended the specific use in writing. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. We are not liable for any application-technological advice. The Product Data Sheet shall be updated from time to time. Please ensure you have the latest version before using the product. All products and Product Data Sheets are subject to our standard terms and conditions of sale (GCS). You can receive the latest copy of GCS via internet or our post address. Brand names mentioned in this Product Data Sheet are trademarks of or are licensed to the AkzoNobel group.