

Technical data sheet

Date	: 6-27-16
Product name	: Interpon TP
Product code	: 4LC01QF
Color	: Gray – Interpon TP
Product Description	: Interpon TP 4LC01QF is a melt-mixed nylon powder coating which has excellent abrasion and 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 4LC01QF include automotive clips and wear surfaces, office and institutional furniture, industrial pipe and fittings, food processing and handling equipment, marine hardware, and shopping carts. Please consult your AkzoNobel Powder Coatings technical representative to ensure that the selected product is suitable for your end use application.

Powder properties

Type	: Nylon
Cure Schedule	: Preheat 650F/6 min Postheat 475F/1 min
Recommended Film Thickness	: 10-12 mils
Application Method	: Fluid Bed
Specific Gravity	: 1.12 +/-0.05 g/cm ³
Coverage at 1.0 mil	: 171.69 sq.ft/lb/mil
Gloss (60°)	: 40-80
Shelf Life	: Two years when stored in dry conditions less than 80F

Typical performance characteristics

Hardness, Shore D	: 70-80	ASTM D2240
Tensile Strength	: 6000psi	ASTM D638
Melting Point	: 356-374F (180-190C)	ASTM D789
Salt spray	: 1000+ hours – “x” scribe	ASTM B117
Dielectric Strength	: 800-1200 volts/mil	ASTM D149
Elongation	: 15%	ASTM D638
Taber Abrasion	: 8-18mg loss	ASTM D4060

Substrate pre-treatment

All oil and grease, as well as mill scale and rust, must be removed from the substrate to ensure initial and long term adhesion. Pre-treatment of the substrate utilizing Nylon Primer 7P-0200 is required prior to utilization of this product.

Application

Water quench is recommended to increase gloss and maximize physical properties. A surfactant (wetting agent) should be added to prevent spotting.

Additional Information

Pre-treatment of the substrate utilizing Nylon Primer 7P-0200 is required prior to utilization of this product.

4LC01QF is suitable for use in food contact applications per 21 CFR 175.300 and 21 CFR 178.3297 if applied in accordance with its specifications. The end user should determine the suitability of this product for end use application.

Safety Precautions

Please consult the Safety Datasheet (SDS).

FOR PROFESSIONAL USE ONLY

IMPORTANT NOTE: The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Safety Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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