AkzoNobel Powder Coatings
3 Commerce Drive
Reading, PA 19607
Tel 610-685-7600

Product Data Sheet

AkzoNobel Powder Coatings

Interpon TP
4LC01QF (Formerly 70-7001)
Gray

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	**Chemical type**	Nylon	
	Application Method	Fluid Bed	
	Appearance	Smooth	
	Gloss level (Gardner 60°)	40 – 80	
	Recommended Film thickness	10.0 – 12.0 mils	
	Specific gravity	1.12 ± 0.05 g/cm^3	
	Coverage @ 1.0 mil	172 ft^2/lb/mil	
	Storage	Maxium 80°F	
	Shelf life	24 Months	
	Curing schedule (at object temperature)	Preheat: 6 minutes at 650°F Postheat: 1 minute at 475°F	
Mechanical, Durability, and Environmental Tests	**Hardness, Shore D**	ASTM D2240	70-80
	Tensile Strength	ASTM D638	6000 psi
	Melting Point	ASTM D789	356-374°F (180-190°C)
	Dielectric Strength	ASTM D149	800-1200 volts/mil
	Elongation	ASTM D638	15%
	Taber Abrasion	ASTM D4060	8 – 18 mg loss
	Salt Spray	ASTM B117	1000+ hours – “X” scribe
	Exterior Durability		Yes
Test Conditions	Testing has been determined under laboratory conditions using the following application properties and is for guidance only.		
	Substrate	CRS	
	Pretreatment	Iron Phosphate (B1000)	
	Film thickness	10.0 – 18.0 mils	
	Cure schedule	Preheat: 6 minutes at 650°F Postheat: 1 minute at 475°F	
	Actual film performance will depend on the individiual circumstances in which the product is used.		
Pre-treatment	All oil and grease, mill scale and rust, must be removed. 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.		

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Additional Information	**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).
Disclaimer	**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 fulfil the demands set out in the local rules and legislation. Always read the Material 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. Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel

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