

Product Data Sheet

AkzoNobel Powder Coatings

Interpon TP 4JC01QF (Formerly 70-5001) Blue

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| Product Description | Interpon TP 4JC01QF 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 4JC01QF include automotive clips and wear surfaces, office and institutional furniture, industrial pipe and fittings, marine hardware, shopping carts and other general industrial applications. 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 | 1.13 ± 0.05 g/cm³ | |
| | Coverage @ 1.0 mil | 170 ft²/lb/mil | |
| | Storage | Maximum 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 – 14.0 mils | |
| | Cure schedule | Preheat: 6 minutes at 650°F Postheat: 1 minute at 475°F | |
| | Actual film performance will depend on the individual circumstances in which the product is used. | | |
| 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. | | |

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| Application | Water quench is recommended to increase gloss and maximize physical properties. A surfactant (wetting agent) should be added to prevent spotting. |
| Safety Precautions | Please consult the Safety Datasheet (SDS). |
| Disclaimer | <p>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.</p> <p>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.</p> <p>Brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel</p> |

<http://www.interpon.com/contact-us/>

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