

# NORYL™ CRX1005 resin

Polyphenylene Ether + PS

SABIC Innovative Plastics Asia Pacific

## Message:

PPE+PS Chemical resistance improved

| General Information                                              |                          |                   |                 |
|------------------------------------------------------------------|--------------------------|-------------------|-----------------|
| Features                                                         | Good Chemical Resistance |                   |                 |
| Physical                                                         | Nominal Value            | Unit              | Test Method     |
| Specific Gravity                                                 | 1.06                     | g/cm <sup>3</sup> | ASTM D792       |
| Melt Mass-Flow Rate (MFR) (300°C/5.0 kg)                         | 14                       | g/10 min          | ASTM D1238      |
| Molding Shrinkage - Flow (3.20 mm)                               | 0.50 to 0.80             | %                 | Internal Method |
| Water Absorption (24 hr)                                         | 0.070                    | %                 | ASTM D570       |
| Mechanical                                                       | Nominal Value            | Unit              | Test Method     |
| Tensile Strength (Yield)                                         | 35.0                     | MPa               | Internal Method |
| Tensile Elongation (Break)                                       | 150                      | %                 | Internal Method |
| Flexural Modulus                                                 | 1740                     | MPa               | ASTM D790       |
| Flexural Strength                                                | 55.0                     | MPa               | ASTM D790       |
| Impact                                                           | Nominal Value            | Unit              | Test Method     |
| Notched Izod Impact (23°C)                                       | 270                      | J/m               | ASTM D256       |
| Thermal                                                          | Nominal Value            | Unit              | Test Method     |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm) | 105                      | °C                | ASTM D648       |
| CLTE - Flow (-30 to 30°C)                                        | 7.0E-5                   | cm/cm/°C          | ASTM E831       |
| Electrical                                                       | Nominal Value            | Unit              | Test Method     |
| Surface Resistivity                                              | 1.0E+16                  | ohms              | ASTM D257       |

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