

# XYRON™ 200H

Polyphenylene Ether + PS  
Asahi Kasei Chemicals Corporation

Message:  
Modified PPE  
Unreinforced non-Flame retardant  
Easy flow

| General Information                                |                   |                   |                 |
|----------------------------------------------------|-------------------|-------------------|-----------------|
| UL YellowCard                                      | E82268-250779     |                   |                 |
| Features                                           | Good Flow         |                   |                 |
| Processing Method                                  | Injection Molding |                   |                 |
| Physical                                           | Nominal Value     | Unit              | Test Method     |
| Density                                            | 1.06              | g/cm <sup>3</sup> | ISO 1183        |
| Molding Shrinkage <sup>1</sup> (2.00 mm)           | 0.50 to 0.70      | %                 | Internal Method |
| Water Absorption (23°C, 24 hr)                     | 0.060             | %                 | ISO 62          |
| Mechanical                                         | Nominal Value     | Unit              | Test Method     |
| Tensile Stress (Yield, 23°C)                       | 39.0              | MPa               | ISO 527-2       |
| Nominal Tensile Strain at Break (23°C)             | 20                | %                 | ISO 527-2       |
| Flexural Modulus (23°C)                            | 2230              | MPa               | ISO 178         |
| Flexural Stress (23°C)                             | 50.0              | MPa               | ISO 178         |
| Impact                                             | Nominal Value     | Unit              | Test Method     |
| Charpy Notched Impact Strength <sup>2</sup> (23°C) | 19                | kJ/m <sup>2</sup> | ISO 179         |
| Thermal                                            | Nominal Value     | Unit              | Test Method     |
| Deflection Temperature Under Load                  |                   |                   |                 |
| 1.8 MPa, Unannealed                                | 90.0              | °C                | ASTM D648       |
| 1.8 MPa, Unannealed                                | 83.0              | °C                | ISO 75-2/A      |
| CLTE - Flow (-30 to 65°C)                          | 7.5E-5            | cm/cm/°C          | ISO 11359-2     |
| Electrical                                         | Nominal Value     | Unit              | Test Method     |
| Surface Resistivity                                | 1.0E+16           | ohms              | IEC 60093       |
| Volume Resistivity (23°C)                          | 1.0E+16           | ohms · cm         | IEC 60093       |
| Electric Strength <sup>3</sup> (2.00 mm)           | 29                | kV/mm             | IEC 60243-1     |
| Dielectric Constant                                |                   |                   | IEC 60250       |
| 100 Hz                                             | 2.80              |                   |                 |
| 1 MHz                                              | 2.80              |                   |                 |
| Dissipation Factor                                 |                   |                   | IEC 60250       |
| 100 Hz                                             | 5.0E-4            |                   |                 |
| 1 MHz                                              | 6.0E-4            |                   |                 |
| Flammability                                       | Nominal Value     | Unit              | Test Method     |
| Flame Rating (1.50 mm)                             | HB                |                   | UL 94           |
| Injection                                          | Nominal Value     | Unit              |                 |

|                        |              |    |
|------------------------|--------------|----|
| Drying Temperature     | 80.0 to 90.0 | °C |
| Drying Time            | 2.0 to 4.0   | hr |
| Processing (Melt) Temp | 220 to 270   | °C |
| Mold Temperature       | 40.0 to 70.0 | °C |

#### NOTE

- |    |              |
|----|--------------|
| 1. | 150x150x2 mm |
| 2. | 4 mm         |
| 3. | Short Time   |

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