

XENOY™ X2203 resin

Acrylonitrile Butadiene Styrene + PBT + PC

SABIC Innovative Plastics

Message:

Xenoy product that provides improved chemical resistance and impact performance versus previous generation X2202 product which is used in the market spaces such as soap dispenser, cleaning equipment, filter housing

| General Information | | | |
|--|-------------------|-----------|-------------|
| Uses | Filters | | |
| | Housings | | |
| | Sanitary Products | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Melt Volume-Flow Rate (MVR) (265°C/5.0 kg) | 35.0 | cm³/10min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Flexural Modulus ¹ (50.0 mm Span) | 2650 | MPa | ASTM D790 |
| Flexural Strength ² (Yield, 50.0 mm Span) | 100 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -20°C | 130 | J/m | |
| 0°C | 120 | J/m | |
| 23°C | 210 | J/m | |
| Instrumented Dart Impact | | | ASTM D3763 |
| -20°C, Total Energy | 72.0 | J | |
| 0°C, Total Energy | 67.0 | J | |
| 23°C, Total Energy | 68.0 | J | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed, 3.20 mm | 103 | °C | |
| 1.8 MPa, Unannealed, 3.20 mm | 90.0 | °C | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 110 | °C | |
| Drying Time | 4.0 to 6.0 | hr | |
| Drying Time, Maximum | 8.0 | hr | |
| Suggested Max Moisture | 0.020 | % | |
| Suggested Shot Size | 50 to 80 | % | |
| Rear Temperature | 249 to 271 | °C | |
| Middle Temperature | 254 to 277 | °C | |
| Front Temperature | 260 to 282 | °C | |

| | | |
|------------------------|----------------|-----|
| Nozzle Temperature | 254 to 277 | °C |
| Processing (Melt) Temp | 260 to 282 | °C |
| Mold Temperature | 65.6 to 93.3 | °C |
| Back Pressure | 0.345 to 0.552 | MPa |
| Screw Speed | 50 to 80 | rpm |
| Vent Depth | 0.013 to 0.020 | mm |

NOTE

1. 1.3 mm/min
2. 1.3 mm/min

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