

# Exxtral™ Performance Polyolefin HMU208

Polypropylene, Compounded (TPO)

ExxonMobil Chemical

## Message:

A special thermoplastic polyolefin black resin with high rigidity and barrier properties is suitable for automotive HVAC and parts under the hood.

| General Information                                   |                                 |                        |              |
|-------------------------------------------------------|---------------------------------|------------------------|--------------|
| Features                                              | Super rigidity                  |                        |              |
|                                                       | Good dimensional stability      |                        |              |
|                                                       | Good demoulding performance     |                        |              |
| Uses                                                  | Parts under the hood of a car   |                        |              |
|                                                       | Application in Automobile Field |                        |              |
|                                                       | Car exterior decoration         |                        |              |
| Appearance                                            | Black                           |                        |              |
| Forms                                                 | Particle                        |                        |              |
| Processing Method                                     | Injection molding               |                        |              |
| Physical                                              | Nominal Value                   | Unit                   | Test Method  |
| Density                                               | 1.06                            | g/cm <sup>3</sup>      | ISO 1183     |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)             | 12                              | g/10 min               | ISO 1133     |
| Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)           | 14.0                            | cm <sup>3</sup> /10min | ISO 1133     |
| Mechanical                                            | Nominal Value                   | Unit                   | Test Method  |
| Tensile Modulus - Secant                              | 3050                            | MPa                    | ISO 527-2    |
| Tensile Stress (Yield)                                | 34.5                            | MPa                    | ISO 527-2/50 |
| Tensile Strain (Yield)                                | 4.0                             | %                      | ISO 527-2/50 |
| Flexural Modulus                                      | 3040                            | MPa                    | ISO 178      |
| Impact                                                | Nominal Value                   | Unit                   | Test Method  |
| Charpy Notched Impact Strength (23°C, Complete Break) | 3.1                             | kJ/m <sup>2</sup>      | ISO 179      |
| Thermal                                               | Nominal Value                   | Unit                   | Test Method  |
| Heat Deflection Temperature                           |                                 |                        |              |
| 0.45 MPa, not annealed                                | 118                             | °C                     | ISO 75-2/B   |
| 1.8 MPa, not annealed                                 | 63.0                            | °C                     | ISO 75-2/A   |
| Legal statement                                       |                                 |                        |              |

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