

# Paxon™ AF50-003

High Density Polyethylene Resin

ExxonMobil Chemical

## Message:

AF50-003 is a blow molded high density polyethylene copolymer containing antistatic agent. It has an excellent balance between stress cracking resistance, hardness and impact strength.

| General Information                                    |                                        |                   |             |
|--------------------------------------------------------|----------------------------------------|-------------------|-------------|
| Additive                                               | Antistatic property<br>heat stabilizer |                   |             |
| Physical                                               | Nominal Value                          | Unit              | Test Method |
| Density                                                | 0.950                                  | g/cm <sup>3</sup> | ASTM D4883  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)              | 0.33                                   | g/10 min          | ASTM D1238  |
| Environmental Stress-Cracking Resistance (100% Igepal) | 65.0                                   | hr                | ASTM D1693  |
| Mechanical                                             | Nominal Value                          | Unit              | Test Method |
| Tensile Strength (Yield)                               | 27.0                                   | MPa               | ASTM D638   |
| Flexural Modulus                                       | 1200                                   | MPa               | ASTM D790   |
| Impact                                                 | Nominal Value                          | Unit              | Test Method |
| Tensile Impact Strength                                | 189                                    | kJ/m <sup>2</sup> | ASTM D1822  |
| Thermal                                                | Nominal Value                          | Unit              | Test Method |
| Brittleness Temperature                                | < -76.0                                | °C                | ASTM D746   |
| Vicat Softening Temperature                            | 124                                    | °C                | ASTM D1525  |
| Legal statement                                        |                                        |                   |             |

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