

# Hylac® FR134

Acrylonitrile Butadiene Styrene  
Ravago Manufacturing Americas, LLC

Message:  
ABS, General Purpose, Flame Retardant, High Flow

| General Information                |                   |                   |             |
|------------------------------------|-------------------|-------------------|-------------|
| UL YellowCard                      | E157012-101284396 |                   |             |
| Features                           | Flame Retardant   |                   |             |
|                                    | General Purpose   |                   |             |
|                                    | High Flow         |                   |             |
| Uses                               | General Purpose   |                   |             |
| RoHS Compliance                    | RoHS Compliant    |                   |             |
| UL File Number                     | E157012           |                   |             |
| Forms                              | Pellets           |                   |             |
| Physical                           | Nominal Value     | Unit              | Test Method |
| Density                            | 1.19              | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR)          |                   |                   | ASTM D1238  |
| 200°C/5.0 kg                       | 5.2               | g/10 min          |             |
| 220°C/10.0 kg                      | 60                | g/10 min          |             |
| 230°C/3.8 kg                       | 13                | g/10 min          |             |
| Molding Shrinkage - Flow (3.18 mm) | 0.30 to 0.70      | %                 | ISO 294-4   |
| Mechanical                         | Nominal Value     | Unit              | Test Method |
| Tensile Stress (Break)             | 38.0              | MPa               | ISO 527-2   |
| Tensile Strain (Break)             | 15                | %                 | ISO 527-2   |
| Flexural Modulus                   | 2070              | MPa               | ISO 178     |
| Flexural Stress                    | 61.0              | MPa               | ISO 178     |
| Impact                             | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact Strength       | 15                | kJ/m <sup>2</sup> | ISO 180     |
| Thermal                            | Nominal Value     | Unit              | Test Method |
| Heat Deflection Temperature        |                   |                   |             |
| 0.45 MPa, Unannealed               | 82.0              | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                | 71.0              | °C                | ISO 75-2/A  |
| Flammability                       | Nominal Value     |                   | Test Method |
| Flame Rating                       |                   |                   | UL 94       |
|                                    | V-0               |                   |             |
| 1.50 mm                            | 5VB               |                   |             |

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V-0

2.50 mm

5VA

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V-0

3.00 mm

5VA

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