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## Technical Data Sheet

### *Polyflam* RABS 90000 UV5 GREY 6-2175

Acrylonitrile Butadiene Styrene



#### Product Description

ABS Flame Retardant

**Processing Method** Injection Molding

**Additive** Flame Retardant

**Resin ID** ABS FR17

| Typical Properties                                                   | Nominal Value | Units             | Test Method |
|----------------------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                                      |               |                   |             |
| Density, (Method A)                                                  | 1.20          | g/cm <sup>3</sup> | ISO 1183    |
| <b>Mechanical</b>                                                    |               |                   |             |
| Tensile Stress at Yield, (Type 1A, 23 °C, 50 mm/min)                 | 42.0          | MPa               | ISO 527-2   |
| Tensile Strain at Break, (Type 1A, 23 °C, 50 mm/min)                 | 3.0           | %                 | ISO 527-2   |
| Tensile Modulus, (23 °C, 1 mm/min, Type 1A)                          | 2200          | MPa               | ISO 527-1   |
| <b>Impact</b>                                                        |               |                   |             |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 10            | kJ/m <sup>2</sup> | ISO 179     |
| <b>Thermal</b>                                                       |               |                   |             |
| Vicat Softening Temperature, (A (10N), 50 °C/h)                      | 105           | °C                | ISO 306     |
| Deflection Temperature Under Load Unannealed (1.80 MPa), (Edgewise)  | 80.0          | °C                | ISO 75-2/A  |