

Technical Data Sheet

Polyflam RABS 90000 UV5 GRY 6-1569



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 |
|--|---------------|-------------------|-------------|
| Physical | | | |
| Density, (Method A) | 1.20 | g/cm ³ | ISO 1183 |
| Mechanical | | | |
| 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 |
| Impact | | | |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 10 | kJ/m ² | ISO 179 |
| Thermal | | | |
| 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 |