

## Technical Data Sheet

### *Polyflam* RPP 1729 NAT 01

Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

RPP 1729 is an unfilled, flame retardant, and heat stabilized PP compound. It is well suited for injection molding applications.

|                          |                   |
|--------------------------|-------------------|
| <b>Processing Method</b> | Injection Molding |
| <b>Attribute</b>         | Heat Stabilized   |
| <b>Additive</b>          | Flame Retardant   |

| Typical Properties                                    | Nominal Value | Units             | Test Method |
|-------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                       |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                      | 17            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                            | 1.03          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                     |               |                   |             |
| Tensile Elongation at Yield, (50 mm/min, 23 °C)       | 140           | %                 | ASTM D638   |
| Tensile Strength at Yield, (50 mm/min, 23 °C)         | 35.8          | MPa               | ASTM D638   |
| Flexural Modulus, (2.0 mm/min, 23 °C)                 | 1510          | MPa               | ASTM D790   |
| <b>Impact</b>                                         |               |                   |             |
| Notched Izod Impact, (23 °C)                          | 34            | J/m               | ASTM D256   |
| <b>Thermal</b>                                        |               |                   |             |
| Deflection Temperature Under Load Unannealed (66 psi) | 95            | °C                | ASTM D648   |
| <b>UL Information</b>                                 |               |                   |             |
| Flame Rating, (0.8 mm)                                | V-0           |                   | UL 94       |