

## Technical Data Sheet

### *Polyflam* RPP 1021-8158 YLYEW



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

PP Unfilled Flame Retardant PBDE-Free

**Additive** Flame Retardant

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Density - Specific Gravity                             | 0.93          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield, (50 mm/min)                 | 28.0          | MPa               | ASTM D638   |
| Flexural Modulus, (1.3 mm/min)                         | 1300          | MPa               | ASTM D790   |
| Tensile Elongation at Break, (50 mm/min)               | 300           | %                 | ASTM D638   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact                                    | 85            | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 50            | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 83            | °C                | ASTM D648   |
| <b>UL Information</b>                                  |               |                   |             |
| Flame Rating                                           | V-2           |                   | UL 94       |