

## Technical Data Sheet

### *Polyflam* HP0362V2CSLB14431RED



Polypropylene, Homopolymer

#### Product Description

*Polyflam* HP0362V2CSLB14431RED is a Polypropylene Homopolymer material.

**Forms** Pellets  
**Additive** Flame Retardant

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 5.0           | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 0.988         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Elongation at Yield                            | 8             | %                 | ASTM D638   |
| Tensile Strength at Yield                              | 37            | MPa               | ASTM D638   |
| Tensile Strength at Break                              | 20            | MPa               | ASTM D638   |
| Flexural Modulus                                       | 1600          | MPa               | ASTM D790   |
| Tensile Elongation at Break                            | 40            | %                 | ASTM D638   |
| Tensile Modulus                                        | 1600          | MPa               | ASTM D638   |
| Flexural Strength                                      | 43            | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact                                    | 50            | J/m               | ASTM D256   |
| <b>Hardness</b>                                        |               |                   |             |
| Rockwell Hardness, (R-Scale)                           | 94            |                   | ASTM D785   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 55            | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 91            | °C                | ASTM D648   |
| <b>UL Information</b>                                  |               |                   |             |
| Flame Rating, (1.6 mm)                                 | V-0           |                   | UL 94       |
| UL File Number                                         | E99379(N)     |                   |             |