

## Technical Data Sheet

### *Polyflam* PP-60/TC/15/V0/ND BK4992BLK



Polypropylene, Homopolymer

#### Product Description

*Polyflam* PP-60/TC/15/V0/ND BK4992BLK is a Polypropylene Homopolymer Talc, 20% filled material. Features include: Homopolymer.

|                      |                 |
|----------------------|-----------------|
| Attribute            | Homopolymer     |
| Forms                | Pellets         |
| Additive             | Flame Retardant |
| Filler/Reinforcement | Talc, 20%       |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 16            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                             | 1.5           | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength, (23 °C)                              | 24.8          | MPa               | ASTM D638   |
| Tensile Elongation at Yield, (23 °C)                   | 10            | %                 | ASTM D638   |
| Flexural Modulus, (23 °C, Tangent)                     | 3590          | MPa               | ASTM D790   |
| Tensile Modulus, (23 °C)                               | 3790          | MPa               | ASTM D638   |
| Flexural Strength, (23 °C)                             | 44.1          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact, (23 °C, 3.18 mm)                  | 13            | J/m               | ASTM D256   |
| <b>Hardness</b>                                        |               |                   |             |
| Rockwell Hardness, (R-Scale)                           | 90 to 95      |                   | ASTM D785   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 93.3          | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 132           | °C                | ASTM D648   |
| <b>Additional Information</b>                          |               |                   |             |
| Water Absorption at 24 hrs                             | 0.03          | %                 | ASTM D570   |
| <b>UL Information</b>                                  |               |                   |             |
| Flame Rating, (1.5 mm)                                 | V-0           |                   | UL 94       |