



# Polyflam 13A3211NC-2BLK

## LyondellBasell Industries - Polypropylene Copolymer

### General Information

#### Product Description

Polyflam 13A3211NC-2BLK is a Polypropylene Copolymer Talc, 20% filled material.

#### General

|                        |                              |
|------------------------|------------------------------|
| Filler / Reinforcement | • Talc, 20% Filler by Weight |
| Additive               | • Flame Retardant            |
| Features               | • Flame Retardant            |
| Forms                  | • Pellets                    |

### Properties <sup>1</sup>

| Physical   | Nominal Value | Unit     | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity                               | 1.10          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 8.0           | g/10 min | ASTM D1238  |
| Mechanical   | Nominal Value | Unit     | Test Method |
| Tensile Strength (Yield)                                 | 3900          | psi      | ASTM D638   |
| Tensile Elongation (Yield)                               | 10            | %        | ASTM D638   |
| Flexural Modulus   | 300000        | psi      | ASTM D790   |
| Impact   | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                                      | 1.3           | ft·lb/in | ASTM D256   |
| Gardner Impact   | 100           | in·lb    | ASTM D3029  |
| Thermal  | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed)   | 219           | °F       | ASTM D648   |
| Deflection Temperature Under Load<br>264 psi, Unannealed | 135           | °F       | ASTM D648   |
| RTI Elec   | 149           | °F       | UL 746B     |
| RTI Imp  | 149           | °F       | UL 746B     |
| RTI Str  | 149           | °F       | UL 746B     |
| Flammability   | Nominal Value | Unit     | Test Method |
| Flame Rating   |               |          | UL 94       |
| 0.06 in  |               | V-2      |             |
| 0.12 in  |               | V-2      |             |