

# FARALLOY® PP-135

Polypropylene

O'Neil Color and Compounding

## Message:

FARALLOY PP-135 is a very tough extrusion grade flame retardant polypropylene formulated to resist ignition as defined by Underwriters' Laboratories 94V test protocol. This material contains no talc, which is normally used to prevent olefin products from dripping during flame testing at the expense of impact resistance (toughness).

| General Information                                    |                      |                   |             |
|--|----------------------|-------------------|-------------|
| Additive   | Flame Retardant      |                   |             |
| Features   | Flame Retardant      |                   |             |
|  | Ignition Resistant   |                   |             |
|  | Ultra High Toughness |                   |             |
| Forms  | Pellets              |                   |             |
| Processing Method                                      | Extrusion            |                   |             |
| Physical   | Nominal Value        | Unit              | Test Method |
| Specific Gravity                                       | 1.21                 | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)              | 1.2                  | g/10 min          | ASTM D1238  |
| Mechanical   | Nominal Value        | Unit              | Test Method |
| Tensile Strength                                       | 21.4                 | MPa               | ASTM D638   |
| Tensile Elongation (Break)                             | 950                  | %                 | ASTM D638   |
| Flexural Modulus                                       | 965                  | MPa               | ASTM D790   |
| Flexural Strength                                      | 27.6                 | MPa               | ASTM D790   |
| Impact   | Nominal Value        | Unit              | Test Method |
| Notched Izod Impact                                    | 270                  | J/m               | ASTM D256   |
| Thermal  | Nominal Value        | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Annealed) | 90.6                 | °C                | ASTM D648   |
| Flammability   | Nominal Value        |                   | Test Method |
| Flame Rating (1.59 mm)                                 | V-0                  |                   | UL 94       |

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## Recommended distributors for this material

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