

Material Reference:

FLUORINOID® FL489

Polypropylene Copolymer

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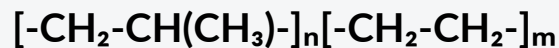
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> **Description** >

Polypropylene Copolymer (PPC) is a thermoplastic polymer known for its improved impact resistance, flexibility, and durability compared to homopolymer polypropylene. It is widely used in various industries due to its excellent chemical resistance, low moisture absorption, and good processability. It is a tough plastic used for the manufacture of structural components, gears etc.



> **Typical Applications** >

- **Automotive:** Interior and exterior components, battery cases, and fuel tanks.
- **Medical:** Syringes, labware, and medical packaging.
- **Industrial:** Pipes, storage tanks, and chemical-resistant applications

> **Typical Physical Properties** #

| Properties | Value |
|-----------------------|--------------|
| Specific Gravity | 0.91 |
| Yield Stress | 26 MPa |
| Elongation at Yield | 7 % |
| Shore D Hardness | 67 |
| Temperature Use Range | -20 to 80 °C |
| Tensile Modulus | 1200 MPa |
| Temperature Use Range | 52 kV/mm |
| Notch Impact Strength | 45 MPa |

These figures are typical values for the material and do not represent a product specification. Properties will vary depending on the source of raw material, method of processing, physical form of the product, direction of measurement etc.