

## Polypropylene HP 427J

### Sub-group:

Homopolymer

### Description:

HP 427J is a low fluidity homopolymer with good processability. The product is suitable for both as monolayer and coextruded structures. It does not contain any slip or anti-blocking agents.

### Applications:

BOPP film by the plan process (stenter) or balloon (double-bubble) with high retention property of the surface treatment for metallizing and consequent obtaining film with high barrier.

### Processing:

Bioriented Film (BOPP)

### Control Property:

|                                | ASTM Method | Units    | Values |
|--------------------------------|-------------|----------|--------|
| Melt Flow Rate (230°C/2.16 kg) | D 1238      | g/10 min | 3.0    |

### Typical Properties<sup>a)</sup>:

|                                      | ASTM Method | Units             | Values |
|--------------------------------------|-------------|-------------------|--------|
| Density                              | D 792       | g/cm <sup>3</sup> | 0.905  |
| Flexural Modulus – 1% secant         | D 790       | MPa               | 1400   |
| Tensile Strength at Yield            | D 638       | MPa               | 34     |
| Tensile Elongation at Yield          | D 638       | %                 | 10     |
| Rockwell Hardness (R Scale)          | D 785       | -                 | -      |
| Notched Izod Impact Strength at 23°C | D 256       | J/m               | 30     |

a) Injection molded specimen according to ASTM D 4101.

