



## Polypropylene H521

Sub-group  
Homopolymer

Description  
Injection molding, general purpose, low water carryover

Applications  
Suggested uses include tape, slit-film fibers, containers, closures, housewares

| Control Properties:                   | ASTM Method | Units    | Values |
|---------------------------------------|-------------|----------|--------|
| Nominal Melt Flow Rate (230°C/2.16kg) | D-1238      | g/10 min | 3.6    |

| Typical Properties:                                                                              | ASTM Method | Units          | Values         |
|--------------------------------------------------------------------------------------------------|-------------|----------------|----------------|
| Tensile Strength at Yield (2 in/min, 50 mm/min)                                                  | D-638       | psi(MPa)       | 5,400(37)      |
| Elongation at Yield (2 in/min, 50 mm/min)                                                        | D-638       | %              | 10             |
| Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)                                            | D-790A      | psi(MPa)       | 240,000(1,655) |
| Notched Izod Impact Strength at 23°C                                                             | D-256A      | ft-lbs/in(J/m) | 0.7(37)        |
| Rockwell Hardness                                                                                | D-785       | R              | 103            |
| Tenacity of Fibers (3.3 draw ratio, 1,250 m/min roll speed, 225Å°C spin temperature, D1000/68)   | D-2256      | g/denier       | 4.5            |
| Elongation of Fibers (3.3 draw ratio, 1,250 m/min roll speed, 225Å°C spin temperature, D1000/68) | D-2256      | %              | 36             |

### Final Remarks

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by the Food and Drug Administration. The additives present meet the applicable regulations.
2. This information reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact Technical Service.
5. The values in this report can be modified without prior communication from Braskem.
6. Braskem polyolefin products do not have additives with heavy metals or organotin-based materials.

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