

## Technical Data Sheet

# Polyfort POLYPROPYLENE PP 1277A-01NAT



Polypropylene, Impact Copolymer

### Product Description

Polyfort PP 1277A-01 is a low-flow, high-impact polypropylene for film, profile, tubing and coating, which require a material with the physical properties typical of those summarized below:

### Regulatory Status

For regulatory compliance information, see POLYPROPYLENE PP 1277A-01NAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Status            | Commercial: Active                                                       |
| Availability      | North America                                                            |
| Processing Method | Blow Molding; Compounding; Extrusion; Injection Molding; Sheet Extrusion |
| Attribute         | High Impact Resistance; Impact Copolymer; Low Flow                       |
| Forms             | Pellets                                                                  |
| Application       | Coating Applications; Film; Profiles; Tubing                             |

| Typical Properties                       | Nominal Value | Units             | Test Method |
|------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                          |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)         | 0.30          | g/10 min          | ASTM D1238  |
| Density - Specific Gravity               | 0.898         | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                        |               |                   |             |
| Tensile Elongation at Yield, (51 mm/min) | 11            | %                 | ASTM D638   |
| Tensile Strength at Yield, (51 mm/min)   | 29.0          | MPa               | ASTM D638   |
| Flexural Modulus                         | 1450          | MPa               | ASTM D790   |
| <b>Impact</b>                            |               |                   |             |
| Notched Izod Impact, (23 °C)             | No Break      |                   | ASTM D256   |
| <b>Hardness</b>                          |               |                   |             |
| Rockwell Hardness, (R-Scale)             | 78            |                   | ASTM D785   |

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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