

# Hostalen PP H4122 103220

Polypropylene Copolymer  
LyondellBasell Industries

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## Technical Data

### Product Description

Hostalen PP H4122 103220 is a black colored polypropylene blockcopolymer. The product is typically used by customers in the application of pipe extrusion. The material Hostalen PP H4122 103220 is not intended for medical and pharmaceutical applications. For further details about the suitable applications for this material please contact LyondellBasell.

### General

|                           |  |
|---------------------------|--|
| Material Status           | • Commercial: Active   |
| Literature <sup>1</sup>   | • <a href="#">Processing - Mold Shrink (English)</a><br>• <a href="#">Processing - PE Films (English)</a><br>• <a href="#">Technical Datasheet (English)</a> |
| Search for UL Yellow Card | • <a href="#">LyondellBasell Industries</a><br>• <a href="#">Hostalen</a>  |
| Availability              | • Europe   |
| Features                  | • Block Copolymer<br>• Impact Copolymer  |
| Uses                      | • Building Materials<br>• Construction Applications<br>• Industrial Applications<br>• Piping<br>• Plumbing Parts   |
| Appearance                | • Black  |
| Processing Method         | • Injection Molding<br>• Pipe Extrusion  |

| Physical                  | Nominal Value (English) | Nominal Value (SI)      | Test Method |
|---------------------------|-------------------------|-------------------------|-------------|
| Density                   | 0.908 g/cm <sup>3</sup> | 0.908 g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) |                         |                         | ISO 1133    |
| 190°C/5.0 kg              | 0.50 g/10 min           | 0.50 g/10 min           |             |
| 230°C/2.16 kg             | 0.30 g/10 min           | 0.30 g/10 min           |             |
| 230°C/5.0 kg              | 1.3 g/10 min            | 1.3 g/10 min            |             |

| Mechanical                         | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------------------------|-------------------------|--------------------|-------------|
| Tensile Modulus (73°F (23°C))      | 203000 psi              | 1400 MPa           | ISO 527-1   |
| Tensile Stress (Yield)             | 4350 psi                | 30.0 MPa           | ISO 527-2   |
| Tensile Strain (Yield)             | 13 %                    | 13 %               | ISO 527-2   |
| Tensile Creep Modulus <sup>3</sup> |                         |                    | ISO 899-1   |
| 1 hr                               | 154000 psi              | 1060 MPa           |             |
| 1000 hr                            | 72500 psi               | 500 MPa            |             |

| Impact                         | Nominal Value (English)   | Nominal Value (SI)    | Test Method |
|--------------------------------|---------------------------|-----------------------|-------------|
| Charpy Notched Impact Strength |                           |                       | ISO 179     |
| -22°F (-30°C)                  | 2.8 ft·lb/in <sup>2</sup> | 5.8 kJ/m <sup>2</sup> |             |
| 32°F (0°C)                     | 9.5 ft·lb/in <sup>2</sup> | 20 kJ/m <sup>2</sup>  |             |
| 73°F (23°C)                    | 52 ft·lb/in <sup>2</sup>  | 110 kJ/m <sup>2</sup> |             |

| Hardness                             | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------------------|-------------------------|--------------------|-------------|
| Shore Hardness (Shore D)             | 6                       | 6                  | ISO 868     |
| Ball Indentation Hardness (H 132/30) | 7250 psi                | 50.0 MPa           | ISO 2039-1  |

| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load |                         |                    | ISO 75-2/B  |
| 66 psi (0.45 MPa), Unannealed     | 192 °F                  | 89.0 °C            |             |
| Vicat Softening Temperature       |                         |                    |             |
| --                                | 181 °F                  | 83.0 °C            | ISO 306/B50 |
| --                                | 318 °F                  | 159 °C             | ISO 306/A50 |

## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> 2 MPa



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### Where to Buy

#### Supplier

##### LyondellBasell Industries

Wilmington, Wilmington USA

Telephone: 713-309-7200

Web: <https://www.lyondellbasell.com/>

#### Distributor

##### ALBIS Plastic

*ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.*

Telephone: +49-40-78105-0

Web: <http://www.albis.com/>

**Availability:** Algeria, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom

##### Ultrapolymers

*Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.*

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**Availability:** Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Macedonia, Netherlands, Norway, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Turkey, Ukraine, United Kingdom

