

**Clyrell RC124H**

PP

LyondellBasell Industries

| Processing/Physical Characteristics      | Value | Unit              | Test Standard |
|--|-------|-------------------|---------------|
| <b>ISO Data</b>                          |       |                   |               |
| Melt flow index, MFI                     | 2.2   | g/10min           | ISO 1133      |
| Temperature                              | 230   | °C                | -             |
| Load                                     | 2.16  | kg                | -             |
| <b>Mechanical properties</b>             |       |                   |               |
| <b>ISO Data</b>                          |       |                   |               |
| Tensile Modulus                          | 750   | MPa               | ISO 527       |
| Yield stress                             | 25    | MPa               | ISO 527       |
| Yield strain                             | 15    | %                 | ISO 527       |
| Strain at break                          | >50   | %                 | ISO 527       |
| Charpy notched impact strength, +23°C    | 30    | kJ/m <sup>2</sup> | ISO 179/1eA   |
| <b>Thermal properties</b>                |       |                   |               |
| <b>ISO Data</b>                          |       |                   |               |
| Temp. of deflection under load, 0.45 MPa | 69    | °C                | ISO 75-1/-2   |
| Vicat softening temperature, A           | 122   | °C                | ISO 306       |
| <b>Optical properties</b>                |       |                   |               |
| <b>ASTM Data</b>                         |       |                   |               |
| Gloss                                    | 91    | -                 | ASTM D 2457   |
| Haze                                     | 1     | %                 | ASTM D 1003   |
| <b>Other properties</b>                  |       |                   |               |
| Density                                  | 900   | kg/m <sup>3</sup> | ISO 1183      |
| <b>Film Properties</b>                   |       |                   |               |
| <b>ASTM Data</b>                         |       |                   |               |
| Tensile Modulus, MD                      | 840   | MPa               | ASTM D 882    |
| Tensile Modulus, TD                      | 860   | MPa               | ASTM D 882    |
| Tensile Strength at Yield, MD            | 27    | MPa               | ASTM D 882    |
| Tensile Strength at Yield, TD            | 25    | MPa               | ASTM D 882    |
| Tensile Strength at Break, MD            | 31    | MPa               | ASTM D 882    |
| Tensile Strength at Break, TD            | 27    | MPa               | ASTM D 882    |
| Elongation at Yield, MD                  | 9     | %                 | ASTM D 882    |
| Elongation at Yield, TD                  | 8     | %                 | ASTM D 882    |
| Elongation at Break, MD                  | 590   | %                 | ASTM D 882    |
| Elongation at Break, TD                  | 540   | %                 | ASTM D 882    |
| Type of extrusion                        | blown | -                 | -             |
| Thickness of specimen                    | 0.04  | mm                | -             |

**Characteristics****Processing**

Blown Film Extrusion, Pipe/Tube Extrusion, Sheet Extrusion, Thermoforming

**Special Characteristics**

High impact or impact modified, Transparent

**Features**

Copolymer, Random Copolymer

**Certifications**

Food contact, Food approval 1935/2004/EC, Food approval 10/2011, Food approval FDA 21 CFR

**Applications**

Packaging

**Regional Availability**

Europe, Near East/Africa