



## Clyrell RC124H

### Polypropylene, Specialty Products

#### Product Description

Clyrell RC124H is a high modified polypropylene random copolymer designed for extrusion applications.

Clyrell RC124H exhibits enhanced optical properties. The main applications of Clyrell RC124H are blown film extrusion, sheet extrusion and thermoforming.

#### Product Characteristics

|                                      |                                                                                                |
|--------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Status</b>                        | Commercial: Active                                                                             |
| <b>Test Method used</b>              | ISO ASTM                                                                                       |
| <b>Availability</b>                  | Europe, Africa-Middle East                                                                     |
| <b>Processing Methods</b>            | Blown Film, Extrusion Pipe Sheet and Semi Finished Products, Extrusion Thermoforming           |
| <b>Features</b>                      | High Clarity, Random Copolymer, High Gloss , Good Optical Properties                           |
| <b>Typical Customer Applications</b> | Bags & Pouches, Blown Film, Film, Food Packaging Film, Stationery Film, Textile Packaging Film |

| Typical Properties        | Method      | Value | Unit |
|---------------------------|-------------|-------|------|
| <b>Mechanical</b>         |             |       |      |
| Tensile Strength @ Brk MD | ASTM D 882  | 40.0  | MPa  |
| Tensile Strength @ Yld MD | ASTM D 882  | 18.0  | MPa  |
| Elongation at break MD    | ASTM D 882  | 730   | %    |
| <b>Optical</b>            |             |       |      |
| Haze (50 µ)               | ASTM D 1003 | <1.0  | %    |
| Gloss (45°, 50 µ)         | ASTM D 2457 | 91    |      |
| <b>Film</b>               |             |       |      |
| Secant modulus MD         | ASTM D 882  | 600   | MPa  |

#### Additional Properties

Typical film properties of laboratory blown film line:

Gloss, ASTM D 2457, 45°, 40 µm: 93

Haze, ASTM D 1003, 40 µm: 1%

Tensile Young modulus (MD/TD), ASTM D 882, 25 mm/min, 40 µm: 840/860 MPa

Stress at Yield (MD/TD), ASTM D 882, 500 mm/min, 40 µm, 27/25 MPa

Elongation at Yield (MD/TD), ASTM D 882, 500 mm/min, 40 µm: 9/8%

Stress at break (MD/TD), ASTM D 882, 500 mm/min, 40 µm, 31/27 MPa

Elongation at break (MD/TD), ASTM D 882, 500 mm/min, 40 µm: 590/540%

#### Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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