

## Technical Data Sheet

### *Clyrell* RC112G



Polypropylene, Specialty Products

#### Product Description

*Clyrell* RC112G is a polypropylene random copolymer; it does not contain slip or anti-block additives and it is Calcium Stearate free.

*Clyrell* RC112G is designed for the production of blown, oriented and cast film. It is used by customers for a broad range of applications including labels.

**Application** Bags & Pouches; Food Packaging Film

**Market** Flexible Packaging

**Processing Method** Blown Film; BOPP; Cast Film

| Typical Properties                          | Nominal Value | Units             | Test Method   |
|---------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                             |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)            | 1.7           | g/10 min          | ISO 1133-1    |
| Density                                     | 0.90          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                           |               |                   |               |
| Flexural Modulus                            | 550           | N/mm <sup>2</sup> | ISO 178       |
| Tensile Stress at Break, (23 °C, 50 mm/min) | 25            | N/mm <sup>2</sup> | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C, 50 mm/min) | 20            | N/mm <sup>2</sup> | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C, 50 mm/min) | 450           | %                 | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C, 50 mm/min) | 16.5          | %                 | ISO 527-1, -2 |
| <b>Impact</b>                               |               |                   |               |
| Charpy Impact Strength - Notched            |               |                   |               |
| (23 °C, Type 1, Edgewise, Notch A)          | 70            | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| (0 °C, Type 1, Edgewise, Notch A)           | 5             | kJ/m <sup>2</sup> | ISO 179-1/1eA |
| <b>Thermal</b>                              |               |                   |               |
| Vicat Softening Temperature, (A50)          | 118           | °C                | ISO 306       |