

# Propafilm™ RGR02/60

Polypropylene Alloy

Innovia Films Ltd.

## Message:

One Side Treated Release Film

Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with surface polymers.

RGR02/60 &120 are particularly suited for tape and release applications, in which RGR02 could be reverse printed and laminated to another web.

ROR02/60 is suited for the outer web of foil laminations used in condiment sachet applications.

| General Information |                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Features            | Excellent Printability<br>Food Contact Acceptable<br>Good Impact Resistance<br>Low Temperature Impact Resistance<br>Puncture Resistant |
| Uses                | Bi-axially Oriented Film<br>Food Service Applications<br>Laminates<br>Packaging                                                        |
| Forms               | Film                                                                                                                                   |
| Processing Method   | Blown Film<br>Coextrusion                                                                                                              |

| Physical                                | Nominal Value | Unit | Test Method     |
|-----------------------------------------|---------------|------|-----------------|
| Molding Shrinkage - Flow (129°C, 1 min) | 6.0           | %    | Internal Method |
| Mechanical                              | Nominal Value | Unit | Test Method     |
| Coefficient of Friction                 |               |      | ASTM D1894      |
| vs. Itself - Dynamic, Outside/Outside   | 0.30          |      |                 |
| vs. Itself - Static, Outside/Outside    | 0.30          |      |                 |
| Films                                   | Nominal Value | Unit | Test Method     |
| Film Thickness - Tested                 | 1500          | µm   |                 |
| Secant Modulus <sup>1</sup>             |               |      | ASTM D882       |
| 1% Secant, MD                           | 2490          | MPa  |                 |
| 1% Secant, TD                           | 2090          | MPa  |                 |
| Tensile Strength <sup>2</sup>           |               |      | ASTM D882       |
| MD : Yield                              | 230           | MPa  |                 |
| TD : Yield                              | 190           | MPa  |                 |
| Tensile Elongation <sup>3</sup>         |               |      | ASTM D882       |
| MD : Break                              | 90            | %    |                 |

|                                              |      |                                               |                 |
|----------------------------------------------|------|-----------------------------------------------|-----------------|
| TD : Break                                   | 130  | %                                             |                 |
| Oxygen Permeability (23°C, 0% RH)            | 81   | cm <sup>3</sup> ·mm/m <sup>2</sup> /atm/24 hr | ASTM F1927      |
| Water Vapor Transmission Rate (38°C, 90% RH) | 10   | g/m <sup>2</sup> /24 hr                       | ASTM F1770      |
| Corona Treatment                             | 38   | dyne/cm                                       | Internal Method |
| Yield                                        | 73.5 | m <sup>2</sup> /kg                            | Internal Method |

#### NOTE

1. 10%/min
2. 50%/min
3. 50%/min

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