

# PRIME TPO J-5910

Polypropylene Random Copolymer  
Prime Polymer Co., Ltd.

Message:

PRIME TPO J-5910 is a Polypropylene Random Copolymer (PP Random Copolymer) product. It is available in Asia Pacific, Europe, or North America.

| General Information                       |               |                   |             |
|-------------------------------------------|---------------|-------------------|-------------|
| Physical                                  | Nominal Value | Unit              | Test Method |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0           | g/10 min          | ISO 1133    |
| Hardness                                  | Nominal Value | Unit              | Test Method |
| Durometer Hardness (Shore D)              | 64            |                   | ASTM D2240  |
| Mechanical                                | Nominal Value | Unit              | Test Method |
| Tensile Stress                            |               |                   | ISO 527-2   |
| Yield                                     | 16.5          | MPa               |             |
| Break                                     | 21.0          | MPa               |             |
| Tensile Strain (Break)                    | < 500         | %                 | ISO 527-2   |
| Flexural Modulus                          | 410           | MPa               | ISO 178     |
| Flexural Stress                           | 16.5          | MPa               | ISO 178     |
| Films                                     | Nominal Value | Unit              | Test Method |
| Film Thickness - Tested                   | 80            | μm                |             |
| Tensile Modulus                           |               |                   | JIS Z1702   |
| MD : 80 μm                                | 430           | MPa               |             |
| TD : 80 μm                                | 430           | MPa               |             |
| Tensile Stress                            |               |                   | JIS Z1702   |
| MD : Break, 80 μm                         | 39.0          | MPa               |             |
| TD : Break, 80 μm                         | 39.0          | MPa               |             |
| Tensile Elongation                        |               |                   | JIS Z1702   |
| MD : Break, 80 μm                         | < 500         | %                 |             |
| TD : Break, 80 μm                         | < 500         | %                 |             |
| Impact                                    | Nominal Value | Unit              | Test Method |
| Notched Izod Impact Strength (23°C)       | 15            | kJ/m <sup>2</sup> | ISO 180     |
| Optical                                   | Nominal Value | Unit              | Test Method |
| Haze                                      |               |                   | JIS K7105   |
| 80.0 μm <sup>1</sup>                      | 0.40          | %                 |             |
| 80.0 μm <sup>2</sup>                      | 3.0           | %                 |             |
| NOTE                                      |               |                   |             |
| 1.                                        | Internal      |                   |             |
| 2.                                        | All           |                   |             |

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