

## Technical Data Sheet

### CirculenRecover PPC ERS 2302L C11658



Polypropylene Compounds

#### Product Description

CirculenRecover PPC ERS 2302L C11658 is a unfilled PP with medium melt flow.  
Product is not yet UL certified.

#### Sustainability

According to the requirements of Standard ISO 14021:2016, CirculenRecover PPC ERS 2302L C11658 contains 90% of recycled material that is fully based on Post-Consumer Waste (PCR).

*This grade is not intended for medical, pharmaceutical, food and drinking water applications.*

|                   |                          |
|-------------------|--------------------------|
| Application       | White Goods              |
| Market            | Electrical / Electronics |
| Processing Method | Injection Molding        |
| Attribute         | Medium Flow              |

| Typical Properties                                    | Nominal Value | Units                   | Test Method   |
|-------------------------------------------------------|---------------|-------------------------|---------------|
| <b>Physical</b>                                       |               |                         |               |
| Melt Flow Rate, (230 °C/2.16 kg)                      | 16            | g/10 min                | ISO 1133-1    |
| Melt Volume Flow Rate, (230 °C/2.16 kg)               | 22            | cm <sup>3</sup> /10 min | ISO 1133-1    |
| Density                                               | 0.92          | g/cm <sup>3</sup>       | ISO 1183-1    |
| <b>Mechanical</b>                                     |               |                         |               |
| Flexural Modulus, (23 °C)                             | 1100          | MPa                     | ISO 178       |
| Tensile Modulus, (23 °C)                              | 1200          | MPa                     | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C)                      | 27            | MPa                     | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C)                      | 9             | %                       | ISO 527-1, -2 |
| <b>Impact</b>                                         |               |                         |               |
| Charpy Impact Strength - Notched                      |               |                         |               |
| (23 °C)                                               | 6             | kJ/m <sup>2</sup>       | ISO 179       |
| (0 °C)                                                | 3             | kJ/m <sup>2</sup>       | ISO 179       |
| Charpy Impact Strength - Unnotched, (0 °C)            | 65            | kJ/m <sup>2</sup>       | ISO 179       |
| <b>Thermal</b>                                        |               |                         |               |
| Vicat Softening Temperature                           |               |                         |               |
| (A50)                                                 | 141           | °C                      | ISO 306       |
| (B50)                                                 | 70            | °C                      | ISO 306       |
| Heat Deflection Temperature A, (1.80 MPa, Unannealed) | 50            | °C                      | ISO 75A-1, -2 |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 83            | °C                      | ISO 75B-1, -2 |