

## 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.*

<b>Application</b>	White Goods
<b>Market</b>	Electrical / Electronics
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	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