

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
Physical			
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 ³ /10 min	ISO 1133-1
Density	0.92	g/cm ³	ISO 1183-1
Mechanical			
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
Impact			
Charpy Impact Strength - Notched			
(23 °C)	6	kJ/m ²	ISO 179
(0 °C)	3	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (0 °C)	65	kJ/m ²	ISO 179
Thermal			
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