

Technical Data Sheet

CirculenRecover PPC TYC 459P C11306



Polypropylene Compounds

Product Description

Experimental CirculenRecover PPC TYC 459P C11306 with recycling content is a Circular Compound, formulated on mechanical recycled sourcing. It is an 24% talc filled PP compound, with high flowability, good impact/stiffness balance and good UV resistance. This grade is delivered in C11306 color version.

Sustainability

According with the requirements of Standard ISO 14021:2016, *Experimental CirculenRecover* PPC TYC 459P C11306 contains approx. 20% of recycled material (GK3 material according VW 50026, Oct 2020) that is fully based on Pre-Consumer Waste from material diverted from waste stream during the manufacturing process.

The grade being in development, this is a preliminary datasheet subjected to changes after product industrialization.

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

Application Automotive Parts; Exterior Trim

Market Automotive

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	21	g/10 min	ISO 1133-1
Density, (23 °C)	1.08	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	2300	MPa	ISO 178/A1
Tensile Stress at Yield, (23 °C)	19	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	22	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	18	kJ/m ²	ISO 179-1/1eA
(-30 °C)	2.5	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	128	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	102	°C	ISO 75B-1, -2