HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

*Circulen*Recover PPC TYC 2180P C12A76

Polypropylene Compounds

Product Description

*Circulen*Recover PPC TYC 2180P C12A76 is a 15% talc filled PP copolymer, with good impact/stiffness balance, high UV resistance, good processability and good scratch resistance. This grade is delivered in C12A76 color version.

Sustainability

According with the requirements of Standard ISO 14021:2016, CirculenRecover PPC TYC 2180P C12A76 contains 30% of recycled material that is fully based on Pre-Consumer Waste from material diverted from waste stream during the manufacturing process.

Application	Exterior Trim
Market	Automotive
Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good UV Resistance; High Flow; High Stiffness; Low Coefficient of Linear Thermal Expansion; Low Density; Low Shrinkage

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	15	g/10 min	ISO 1133-1
Density, (23 °C)	1.01	g/cm³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	1800	MPa	ISO 178/A1
Tensile Stress at Yield, (23 °C)	19	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	50	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	25	kJ/m²	ISO 179-1/1eA
(-30 °C)	3,5	kJ/m²	ISO 179-1/1eA
Thermal			
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	95	°C	ISO 75B-1, -2