

Technical Data Sheet

CirculenRecover PPC TKC 2277X Black



Polypropylene Compounds

Product Description

CirculenRecover PPC TKC 2277X is a 15% talc filled PP copolymer with good processability, good impact/stiffness balance, low shrinkage for painted automotive exterior applications. Product is available in black color, pellet form.

Sustainability

According to the requirements of Standard ISO 14021:2016, CirculenRecover PPC TKC 2277X contains 10% of recycled material that is fully based on Pre-Consumer Waste from material diverted from waste stream during the manufacturing process.

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

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|-------------------|--|
| Application | Exterior Automotive Applications |
| Market | Automotive |
| Processing Method | Injection Molding |
| Attribute | Good Flow; Impact Modified; Low Shrinkage; Paintable |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|----------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 14 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 1,0 | g/cm³ | ISO 1183-1/A |
| Mechanical | | | |
| Flexural Modulus, (23 °C, Tech. A) | 1650 | MPa | ISO 178/A1 |
| Tensile Stress at Yield, (23 °C, 50 mm/min) | 17 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C) | 25 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 45 | kJ/m² | ISO 179-1/1eA |
| (-30 °C) | 4,5 | kJ/m² | ISO 179-1/1eA |