

Technical Data Sheet

CirculenRecover PPC TYC 1354N Natural



Polypropylene Compounds

Product Description

CirculenRecover PPC TYC 1354N Natural is a 10% talc-filled TPO for automotive interior injection molding applications that contains recycled polypropylene resin. It is fully ductile at 0°C with a strong balance of impact and stiffness, UV stability, and high scratch resistance that is typically used for large automotive interior parts that require strong impact resistance, stiffness, and resistance to scratching and marring. It is available in a natural pellet form for coloring at the press with various OEM colors.

Application	Automotive Parts; Interior Automotive Applications; Interior Trims
Market	Automotive
Processing Method	Injection Molding
Attribute	Excellent Processability; High Impact Resistance; High Rigidity; Scratch Resistant; UV Stabilized

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	0.965	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1650	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	20	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	6.5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	35	kJ/m ²	ISO 179
(-40 °C)	4.0	kJ/m ²	ISO 179
Multi-axial Impact Strength	22	J	ASTM D3763
0 °C, 100% Ductile			
Thermal			
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	53	°C	ISO 75A-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			