



CirculenRecover PPC TYC 1369N Natural

LyondellBasell Industries - Polypropylene

General Information

Product Description

CirculenRecover PPC TYC 1369N Natural is an 11% talc-filled TPO for automotive interior injection molding applications that contains recycled polypropylene resin. It is fully ductile at -30°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.

General

Additive	• UV Stabilizer		
Recycled Content	• Yes		
Features	• Excellent Processability • Good Scratch Resistance	• High Impact Resistance • High Rigidity	• UV Stabilized
Uses	• Automotive Applications	• Automotive Interior Parts	• Automotive Interior Trim
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.970	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	2900	psi	ISO 527-2
Flexural Modulus (73°F)	216000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°F	2.4	ft·lb/in ²	
73°F	25	ft·lb/in ²	
Instrumented Dart Impact ² (-22°F, 0.126 in)	186	in·lb	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	120	°F	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 21.7 ft/sec