

Technical Data Sheet

CirculenRecover PPC TYC 1353P YZ9A Black



Polypropylene Compounds

Product Description

CirculenRecover PPC TYC 1353P YZ9A Black high melt flow, 1,677 MPa flexural modulus, mineral-filled thermoplastic elastomeric olefin (TEO) resin for automotive exterior injection molding applications that contains recycled polypropylene resin. It is typically used for molded-in color exterior automotive applications.

Application	Automotive Parts; Exterior Automotive Applications
Market	Automotive
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/21.6 kg)	30	g/10 min	ISO 1133-1
Density, (23 °C, Method A)	1.01	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1677	MPa	ISO 178
Tensile Stress at Yield, (23 °C, 50 mm/min)	19.7	MPa	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	38.6	kJ/m ²	ISO 179-1/1eA
(0 °C)	22.1	kJ/m ²	ISO 179-1/1eA
(-40 °C)	3.3	kJ/m ²	ISO 179-1/1eA
Multi-axial Impact Strength, (-10 °C, 2.2 m/s, 3.2 mm plaque)	20.6	J	ASTM D3763
Energy at Max Load, 100% Ductile			
Thermal			
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	49.4	°C	ISO 75-1, -2
Additional Information			
Mold Shrinkage			ISO 294-4
Please contact LyondellBasell for shrinkage recommendations.			