



CirculenRecover PPC TYC 1353P YZ9A Black

LyondellBasell Industries - Polypropylene

General Information

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.

General

Uses	<ul style="list-style-type: none"> Automotive Applications Automotive Exterior Parts
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.01	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)	30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	2860	psi	ISO 527-2/50
Flexural Modulus (73°F)	243000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°F	1.6	ft-lb/in ²	
32°F	11	ft-lb/in ²	
73°F	18	ft-lb/in ²	
Instrumented Dart Impact ²			ASTM D3763
14°F, 0.126 in, Energy at max load, Ductile Failure	182	in-lb	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	121	°F	

Notes

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

² 7.22 ft/sec