

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.

Regulatory Status

For regulatory compliance information, see *CirculenRecover* PPC TYC 1353P YZ9A Black [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Developmental
Availability	North America
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.			

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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