

Technical Data Sheet

CirculenRecover PPC ERC 161N 103H Black



Polypropylene Compounds

Product Description

CirculenRecover PPC ERC 161N 103H Black is a 15% mineral filled, polypropylene copolymer for injection molding that contains recycled polypropylene resin. It combines excellent stiffness, good scratch resistance and good flowability with good impact and dimensional stability. This grade is typically used for molding of automotive interior trim parts.

Regulatory Status

For regulatory compliance information, see CirculenRecover PPC ERC 161N 103H Black [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Developmental
Availability	North America
Application	Automotive Parts; Interior Automotive Applications
Market	Automotive
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ASTM D1238
Density, (23 °C)	1.02	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	2300	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	27	MPa	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	7.0	kJ/m ²	ISO 179
(-30 °C)	3.0	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	110	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	60	°C	ISO 75A-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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