



A REVOLUTIONARY PLATFORM
CONNECTING VERIFIED **RECYCLERS** AND **PRODUCERS**
FOR TRUSTED MATERIAL TRADE

CONNECT WITH US

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Product Code - CIR0008CB1

rHDPE Black

rHDPE can be used for injection molding applications such as Crates, Caps and Closures etc.



General Information

Condition

Granules

License

Non FSSAI

Processing Methods

Injection Molding

Source

Post Consumer

Technical Properties		
Property	Value	Unit
Melt Flow Rate, 2.16 kg, 190 C	2.50 ± 0.50	g/10min
Density	0.945 ± 0.01	gm/cm3
Moisture	<0.25	%
Tensile Strength	25±2	MPa
Ash Content	<0.9	%
Elongation at Break	30 ± 10	%
Environmental Stress Crack Resistance	-	-
Izod impact strength	40±10	J/m
Flexural Modulus	700 ± 100	Mpa
Residual moisture content	-	-
Viscosity	-	-

Compliance Status	
EPR Registration	✓
Annual Report (FY 24-25)	✗
GST E-invoice	✓
CTO Validity	✗
Financial Compliance	✗
ISO Certification	✓
Other Available Certifications	On Request

Product Feature: This grade developed entirely from 100% post-consumer recycled plastic waste and provides multiple brands and producers a sustainable solution to meet their environmental commitments seamlessly.

Disclaimer: The information provided in this datasheet represents typical characteristics of the recycled material and is intended for general guidance only. Variations in raw material input, recycling methods, and processing conditions may result in differences in the properties and performance of the final product. It is the responsibility of the customer to verify the suitability of the material for their specific application through appropriate testing and evaluation. CIRQ Ventures (OPC) Private Limited makes no warranties, express or implied, including but not limited to warranties of merchantability or fitness for a particular purpose. Under no circumstances shall CIRQ Ventures (OPC) Private Limited be liable for any direct, indirect, incidental, or consequential damages arising from the use or reliance on the information provided. Customers should ensure compliance with all relevant regulatory and quality standards prior to use.