



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

CONNECT WITH US

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Product Code – CIR001CW1

rHDPE White

Characteristics include, stiffness, toughness.

General Information

Condition

Granules/Pellets

License

Non FSSAI

Processing Methods

Injection Molding, Extrusion

Source

Post Consumer



Technical Properties

Property	Value	Unit
Melt Flow Rate, (190 °C/2.16 kg)	0.3-0.7	g/10min
Density	0.99+/-0.98	g/cc
Moisture	<0.5	%
Tensile Strength	19-26	MPa
Ash Content	<2	%
Elongation at Break	100-500	%
Environmental Stress Crack Resistance	42-600+	Hrs
Izod impact strength	min 60	J/m
Flexural Modulus	700-1200	Mpa
Residual moisture content	On Demand	-
Viscosity (PET)	-	-

Compliance Status

EPR Registration	✓
Annual Report (FY 24-25)	X
GST E-invoice	✓
CTO Validity	Valid
Financial Compliance	Available
ISO Certification	Available
Other Available Certifications	Not Applicable

PACKAGING INFORMATION: The material is packed and available in raffia bags with net content 25.00 kg only. The raffia bags used conforms to the minimum strength requirement of BIS, however customer shall take due care while handling the bags. Prolonged exposure to the sun may deteriorate the bags performance and cause spillage and wastages. CIRQ Ventures (OPC) Private Limited doesn't warranty loss of material due to poor material handling practices.

STORAGE AND HANDLING: The storage location should be dry, dust free and the storage temperature should not exceed 50°C. Non- compliance to these precautionary measures can lead to degradation of the product causing colour change, odour, and inadequate product performance. It is advised to process material within 12 month post-delivery.

Disclaimer: Not Applicable 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.