

TECHNICAL DATA SHEET

EcoRelene™

ECO HD01BLK

RECYCLED HIGH DENSITY POLYETHYLENE MEDIUM VOLUME BLOW MOULDING GRADE

Eco HD01BLK is Black colored post-consumer recycled HDPE resin grade available in pellet form. Suitable for manufacturing medium volume blow molded containers.

Typical Characteristics:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (190°C/2.16 kg)	ASTM D1238	g/10 min	0.1 – 0.3
Melt Flow Rate (190°C/5.0 kg)	ASTM D1238	g/10 min	0.8 – 1.8
Density	ASTM D792	g/cc	0.95 – 0.97
Moisture	ASTM D6980	%	<0.2
Ash Content (550°C)	ASTM D5630	%	<5
Flexural Strength**	ASTM D790	MPa	>20

* Typical values not to be taken as specification

** Mechanical Properties are of compression molded specimen

Applications:

For use as a Post Consumer Recycled resin to blend with virgin HDPE blow moulding grade resin. Recommended for making medium volume blow moulded containers for household & industrial applications, extrusion of DWC pipes and other rigid packaging materials like sheets.

Typical Process Conditions:

Extrusion / Die temperatures: 190 – 230°C

Note: Processing parameters mentioned above are for reference only and not to be considered as specifications. They may vary based on the product to be manufactured.