

TECHNICAL DATA SHEET

EcoRelene™

ECO HD03BLK

RECYCLED HIGH DENSITY POLYETHYLENE GENERAL PURPOSE BLOW MOULDING GRADE

Eco HD03BLK is Black colored post-consumer recycled HDPE resin grade available in pellet form. Suitable for general purpose blow moulding applications.

Typical Characteristics:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (190°C/2.16 kg)	ASTM D1238	g/10 min	0.3 – 0.6
Melt Flow Rate (190°C/5.0 kg)	ASTM D1238	g/10 min	2 – 4
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 general purpose blow moulded containers for lube oil, shampoo, FMCG, chemicals, pesticides containers and extrusion of DWC pipes.

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.