



ECO HD03WHT

RECYCLED HIGH DENSITY POLYETHYLENE

GENERAL PURPOSE BLOW MOULDING GRADE

Eco HD03WHT is White 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

Applications:

For use as a Post Consumer Recycled resin to blend with virgin HDPE blow moulding grade resin for making general purpose blow molded containers. Recommended for lube oil, shampoo, FMCG, chemicals, pesticides containers and extrusion of DWC pipes.

Typical Process Conditions:

Extrusion / Die temperatures: 190 – 230°C

^{**} Mechanical Properties are of compression molded specimen

• This is a post consumer recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

Storage Recommendations:

 Bags should be stored in dry & closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

DISCLAIMER





ECO HD03BLU

RECYCLED HIGH DENSITY POLYETHYLENE

GENERAL PURPOSE BLOW MOULDING GRADE

Eco HD03BLU is Blue 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

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

^{**} Mechanical Properties are of compression molded specimen

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Storage Recommendations:

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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

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

^{**} Mechanical Properties are of compression molded specimen

• This is a post consumer recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

Storage Recommendations:

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ECO HD01WHT

RECYCLED HIGH DENSITY POLYETHYLENE

MEDIUM VOLUME BLOW MOULDING GRADE

Eco HD01WHT is White Colored post-consumer recycled HDPE resin grade available in pellet form. Suitable for manufacturing medium volume blow moulded 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

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

^{**} Mechanical Properties are of compression molded specimen

• This is a post consumer recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

Storage Recommendations:

 Bags should be stored in dry & closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

DISCLAIMER





ECO HD01BLU

RECYCLED HIGH DENSITY POLYETHYLENE

MEDIUM VOLUME BLOW MOULDING GRADE

Eco HD01BLU is Blue Colored post-consumer recycled HDPE resin grade available in pellet form. Suitable for manufacturing medium volume blow moulded 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

Applications:

For use as a Post Consumer Recycled resin to blend with virgin HDPE blow moulding grade resin. Recommended for making medium volume blow molded 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

^{**} Mechanical Properties are of compression molded specimen

• This is a post consumer recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

Storage Recommendations:

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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

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

^{**} Mechanical Properties are of compression molded specimen

• This is a post consumer recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

Storage Recommendations:

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ECO HD05BLU

RECYCLED HIGH DENSITY POLYETHYLENE

GENERAL PURPOSE INJECTION MOULDING GRADE

Eco HD05BLU is Blue colored post-consumer recycled HDPE resin grade available in pellet form. Suitable for injection moulding applications.

Typical Characteristics:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (190°C/2.16 kg)	ASTM D1238	g/10 min	2 – 5
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

Applications:

For use as a Post Consumer Recycled resin to blend with virgin HDPE Injection Moulding grade resin. Recommended for making injection moulded household articles, crates, pallets, caps & closures.

Typical Process Conditions:

Injection moulding temperatures: 190 – 230°C

^{**} Mechanical Properties are of compression moulded specimen

• This is a post consumer recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

Storage Recommendations:

 Bags should be stored in dry & closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

DISCLAIMER





ECO HD05GRN

RECYCLED HIGH DENSITY POLYETHYLENE

GENERAL PURPOSE INJECTION MOULDING GRADE

Eco HD05GRN is Green colored post-consumer recycled HDPE resin grade available in pellet form. Suitable for injection moulding applications.

Typical Characteristics:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (190°C/2.16 kg)	ASTM D1238	g/10 min	2 – 5
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

Applications:

For use as a Post Consumer Recycled resin to blend with virgin HDPE Injection Moulding grade resin. Recommended for making injection moulded household articles, crates, pallets, caps & closures.

Typical Process Conditions:

Injection moulding temperatures: 190 – 230°C

^{**} Mechanical Properties are of compression moulded specimen

• This is a post consumer recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

Storage Recommendations:

 Bags should be stored in dry & closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

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ECO LL2NAT

RECYCLED LINEAR LOW DENSITY POLYETHYLENE

GENERAL PURPOSE FILM GRADE

Eco LL2NAT is Natural Appearance post-consumer recycled LLDPE resin grade available in pellet form. Suitable for manufacturing general purpose films.

Typical Characteristics:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (190°C/5 kg)	ASTM D1238	g/10 min	0.7 - 2.0
Density	ASTM D792	g/cc	0.92 - 0.95
Moisture	ASTM D6980	%	<2000 ppm
Tensile Strength at Break** (MD/TD)	ASTM D882	MPa	>15 / >15
Elongation at Break** (MD/TD)	ASTM D882	%	>200 / >300
Ash Content (550°C)	ASTM D5630	%	<3

^{*} Typical values not to be taken as specification

Applications:

For use as a Post Consumer Recycled resin for mixing with virgin LDPE or LLDPE grade resin. Recommended for making liner, courier bags, and secondary packaging films.

Typical Process Conditions:

Extrusion / Die temperatures: 190 – 230°C

^{**} Mechanical Properties are of 40 μm film made with 1.8 mm die gap & 2.5 BUR

• This is a recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

Storage Recommendations:

 Bags should be stored in dry & closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

DISCLAIMER





ECO LD2NAT

RECYCLED LOW DENSITY POLYETHYLENE

GENERAL PURPOSE FILM GRADE

Eco LD2NAT is Natural Appearance post-consumer recycled LDPE resin grade available in pellet form. Suitable for manufacturing general purpose films.

Typical Characteristics:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (190°C/5 kg)	ASTM D1238	g/10 min	0.7 – 2.0
Density	ASTM D792	g/cc	0.92 - 0.95
Moisture	ASTM D6980	%	<2000 ppm
Tensile Strength at Break** (MD/TD)	ASTM D882	MPa	>20/>20
Elongation at Break** (MD/TD)	ASTM D882	%	>300 / >300
Ash Content (550°C)	ASTM D5630	%	<3

^{*} Typical values not to be taken as specification

Applications

For use as a Post Consumer Recycled resin, recommended for mixing with virgin grade LDPE or LLDPE resin. Recommended for making liner, shrink film, courier bags, secondary packaging.

Typical Process Conditions:

Extrusion / Die temperatures: 190 – 230°C

^{**} Mechanical Properties are of 40 μ m film made with 1.8 mm die gap & 2.5 BUR

• This is a recycled product and hence exact composition and properties may differ. The product is not recommended for use in food contact, drinking water, medical, pharmaceutical or similar applications requiring stringent regulations. The user of this material is solely responsible with regards to suitability of this product for intended application.

Storage Recommendations:

 Bags should be stored in dry & closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

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