

## Technical Data Sheet | HDPE Natural Chips

### SUITABLE FOR APPLICATIONS:

- a. Blow Moulding
- b. Blown Film Applications

### KEY FEATURES:

- **Suitable for food contact application:** U.S. FDA's Letter of No Objection for usage up to 100% recycled content in the manufacture of articles under specific Conditions of Use (COU) E through G.
- **Global Recycled Standard (GRS)** certified 100% Recycled HDPE content and produced with responsible social, environmental and chemical practices.



PROPERTIES		TEST METHOD	UNIT	SPECIFICATION
Melt flow index	(190°C / 2.16kg)	ASTM D1238	Gm/10 min	0.3 ± 0.10
Density		WI/QA/155	Kg/m <sup>3</sup>	940 (+/- 20)
Tensile strength at yield	(50mm/min)	ASTM D638	MPa	23 ± 5
Color L*		Color Quest XE	-	70 ± 5
Color a*		Color Quest XE	-	0 ± 2
Color b*		Color Quest XE	-	9 ± 3
Elongation at break	(50mm/min)	ASTM D638	%	>50
Notched Izod Impact strength		ASTM D256A	J/m	>220
Flexural Modulus	Speed = 1.43mm/min Span = 53.3 mm	ASTM D790A	Mpa	400 ± 120
Flexural strength	Speed = 1.43mm/min Speed = 52.7mm/min	ASTM D790A	Mpa	20 ± 5
Ash		ASTM D5630	%	0.3 ± 0.1
Filter size	-	-	Micron	125
FNTC	-	ISO 16770	Hr.	NA
OIT	-	ASTMD 3895-14	Min	NA
Limonene	-	HS/GC-MS	PPM	NA

**COMPLIANCES:**

- Polypropylene Clear resin has **food grade compliance** as per:
  - LNO received from US FDA.

**OTHER DETAILS**

Recycling Method	Mechanical
Source	Post – Consumer
Recycled Feedstock Content	100%
Form	Pellet
Color	Natural

**PACKAGING & LABELLING:**

HDPE Natural resin is packed in 0.95 m x 0.95 m x 1.25 m brand new Polypropylene bulk bags with a virgin LDPE liner (avg. 700 ± 5 KGs). The bags are firmly tied on top with lock tie / PP strings and bottom with PP strings. The packaging quantity can be adjusted as per customer requirement. Product can be discharged from the top as well as the bottom of the bag. Each bag is identified with a label giving information of Batch No., Bag No., Weight, date/time of packing and operator packed.