



**ELEME PETROCHEMICALS COMPANY LIMITED**  
PORT HARCOURT, NIGERIA

**TECHNICAL DATA SHEET : INDORAMA-HD**

HEG00952	HDPE	RAFFIA TAPE
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HEG00952 High Density Polyethylene Resin manufactured by EPCL using "SCLAIRTECH" solution polymerisation process of DU Pont, Canada (Now Nova Chemicals) offers medium molecular weight material with broad molecular weight distribution. As a copolymer it combines excellent orientation characteristic, negligible water carry-over, low gel/fisheyes content with excellent balance of high tenacity and good elongation, therefore specially suitable for making raffia tapes & monofilament. It can be easily processed on normal polyethylene raffia tape plant. using melt temperatures between 190 and 230°C.



Physical Properties	Unit	Test Method	Typical Value
Melt Index, 190 °C/2.16 kg.	g/10 min	ASTM D 1238	0.90
Density	g/cm <sup>3</sup>	ASTM D 792	0.952
Typical Properties	Unit	Test Method	Typical Value
Tensile Strength at Yield (MD/TD)	Mpa	ASTM D 882	34.5/37.5
Ultimate Tensile Strength (MD/TD)	Mpa	ASTM D 882	50/45
Elongation at Break (MD/TD)	%	ASTM D 882	900/950
Dart Impact Test, F <sub>50</sub>	g/μm	ASTM D 1709	1.5
Tear Strength (MD/TD)	g/μm	ASTM D 1922	0.6/1.7

Above values are not to be construed as specifications.

**Characteristic:**

- Excellent Orientation Characteristics
- Good Processibility
- Low Gels/Fisheyes
- High Tenacity and Good Elongation

**Applications:**

- Woven Sacks
- Monofilament for Rope
- Oriented Tapes
- Jumbo Bags
- Tarpaulins

**Packaging:** HEG00952 is available in natural colour, pellet form in 25 kg bags.

HEG00952 grade and the additives incorporated in it comply with the US FDA : CFR title 21, 177.1520 and EC regulation 2002/72/EC for food contact application when used unmodified and processed according to good manufacturing practices. Please contact us for details information and/or compliance certification documents.

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