

PRODUCT INFORMATION

OceanIX HDPE is a recyclate made from discarded fishing nets, trawls and ropes. Fishing nets, trawls and ropes are made of raw materials of high quality to fulfil requirements of abrasion resistance, tensile strength and chemical resistance.

TECHNICAL DATA

	METHOD	VALUE	UNITS	DEVIATIONS*
PHYSICAL PROPERTIES				
Melt Flow Index, MFI (190°C, 2,16 kg) ¹	ISO 1133-1	0,57	g/10 mins	± 0,05
Density	ISO 1183-1 Method A (immersion method)	0,946	g/cm ³	± 0,003
Shape	Visual inspection	Regular shaped granules		
MECHANICAL PROPERTIES (AT 23°C)				
Tensile strength ²	ISO 527-1/2	22	N/mm ² (MPa)	± 0,8
Elongation at break ²	ISO 527-1/2	125	%	± 50
THERMAL PROPERTIES				
Melting Point	ISO 11357-1/3	134	°C	± 0,7
RECYCLED POLYMER CONTENT				
		>95	%	

¹ "The rates of share upon the test are much smaller than those used under normal conditions of processing and therefore it is possible that data obtained by the test will not always correlate with their behaviour during processing"
cf.: (ISO1133-1:2011). The MFI results provide an indication of the flow rate when processed.

² Performed on injection molded samples type 1B.

* std deviation

Material handling: HDPE granules need normally not to be dried. However, condensation of atmospheric moisture inside the packing may occur due to fluctuating temperatures and high humidity upon storage.

ECO FOOTPRINT

By using OceanIX HDPE and with reference to Plastix' Life Cycle Assessment (LCA) you are saving our planet for 1650 kg CO₂ equivalent emissions in comparison with similar virgin plastic material, every time you use 1000 kg OceanIX HDPE, improving CO₂ emission savings by a factor 1 : 5,5. Depending on your application, the percentage of OceanIX HDPE used and the end of life option for your own product, you could even further increase the CO₂ and resource savings.

By using OceanIX HDPE on a regular basis you will automatically enter into a certification scheme that could reward you with Plastix' Certificate as official "Certified Recyclates User of Discarded Fishing Net and Trawl" to become part of your CSR (Corporate Social Responsibility) achievements.

By using OceanIX HDPE as your prevailing green raw material choice you directly contribute to further closing the material loops, reducing landfilling, marine pollution and loss of valuable resources.

FOR FURTHER TECHNICAL INFORMATION PLEASE CONTACT

Quality & Environmental Manager/ MSc.Chem.Eng.,
Inga Nielsen,
M: +45 2459 0868,
E: inga@plastixglobal.com
W: plastixglobal.com



NOTE

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