

### PRODUCT INFORMATION

OceanIX is our range of high quality recycled raw materials based on post use input streams collected from the maritime industry, suitable to be used in various applications either at 100% or in a blend. At Plastix, we provide sustainable solutions for preventative action, to combat plastic pollution and ensure cleaner environments and oceans.

### TECHNICAL DATA

	METHOD	VALUE	UNITS
<b>PHYSICAL PROPERTIES</b>			
Melt Flow Index, MFI (190°C, 2,16 kg) <sup>1</sup>	ISO 1133-1	0,4 to 0,8	g/10 mins
Density	ISO 1183-1 Method A (immersion method)	0,93 to 0,98	g/cm <sup>3</sup>
Shape	Visual inspection	Regular shaped granules	
<b>MECHANICAL PROPERTIES (AT 23°C)</b>			
Tensile strength <sup>2</sup>	ISO 527-1/2	20 to 25	N/mm <sup>2</sup> (MPa)
E-modulus <sup>2</sup>	ISO 527-1/2	> 600	%
<b>THERMAL PROPERTIES</b>			
Melting Point	ISO 11357-1/3	132 to 140	°C
<b>ASH CONTENT</b>	ISO	< 1,5	%

<sup>1</sup> 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.

<sup>2</sup> Performed on injection molded samples type 1B.

**Material handling:** rHDPE 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. Plastix recommends that the material is pre-dried to remove possible condense moisture, which could be done normally with 2 hours drying at 80°C or according to our customers' normal pre-drying procedure for HDPE.

**Material colour:** Granules may show a colour variation, due to the unavoidable variation in the colour mix of post-use input material, and as no additional colouring pigments are added. To stabilise the colour tone we advice adding a pure pigment in terms of a mono-concentrate.

### ECO FOOTPRINT

By using OceanIX rHDPE and with reference to Plastix' Life Cycle Assessment (LCA) you are saving our planet for 1650 kg CO<sub>2</sub> equivalent emissions in comparison with similar virgin plastic material, every time you use 1000 kg OceanIX rHDPE, improving CO<sub>2</sub> emission savings by a factor 1 : 5,5. Depending on your application, the percentage of OceanIX rHDPE used and the end of life option for your own product, you could even further increase the CO<sub>2</sub> and resource savings.

By using OceanIX rHDPE 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 rHDPE 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

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