



PRODUCT CHARACTERISTICS

**Re-granulate HDPE 100AP**

Valid from: 10-03-2017

Designed for: **extrusion moulding (pipes)**

Properties

Type of material	Recycled <b>HDPE</b> (high-density polyethylene)	
Form	<b>Granules</b> , the size of $\varnothing$ 4-5mm x 2-3mm	
Melt flow index	<b>MFIs</b> = 0.5 - 1.0 g/10Min.	weight of 5.0 kG at 190°C according to PN-EN ISO 1133
Impact strength	<b>Kcv+</b> = 40 - 60 kJ/m <sup>2</sup>	at +23°C according to EN ISO 179/1eA
Tensile strength	<b><math>\sigma_{max}</math></b> = 22 - 26 Mpa	tensile strength according to PN-EN ISO 527
	<b><math>\epsilon_{max}</math></b> > 30 %	elongation at break according to PN-EN ISO 528
Density	<b><math>\rho</math></b> = 0.94 - 0.96 g/cm <sup>3</sup>	determined with a densometer
Purity	<b>Filtration:</b> dual screen filter, mesh size <b>200<math>\mu</math>m</b>	
	<b>Moisture:</b> H <sub>2</sub> O content - <b>max. 0.1% of the weight</b>	
Minimum batch	8 tonnes (or as agreed on a case-by-case basis)	
Packaging	big bags, octabins or similar large-size packaging; it is possible to use smaller size packaging (plastic zipper bags); packaging must ensure safety of the material during transport	

Available colours

<b>Black</b>	<b>RAL 9005</b>
<b>Blue</b>	<b>RAL 5015</b>
<b>Green</b>	<b>RAL 6033</b>
<b>Red</b>	<b>RAL 3016</b>
<b>(Intermediate)</b>	