



## IM-BASIC grey or black

Base polymer for injection moulding applications

NEXT POLYMERS

Test	Test method	Test conditions	Value	Unit
MFR (melt flow rate)	DIN EN ISO 1133-1	190°C / 2,16 kg	0,9 – 1,2	g/10 min
MFR (melt flow rate)	DIN EN ISO 1133-1	190°C / 5,00 kg	3,8 – 4,5	g/10 min
Density	DIN EN ISO 1183-1	Ethanol	0,940 – 0,960	g/cm <sup>3</sup>
Tensile strength	DIN EN ISO 527-1/2	23°C / 5 mm/min	16 – 18	MPa
Elongation at break	DIN EN ISO 527-1/2	23°C / 5 mm/min	> 350	%
modulus of elasticity	DIN EN ISO 527-1/2	23°C / 5 mm/min	350 – 450	MPa
Notched impact strength	DIN EN ISO 179-1/1eA	-30°C	6,0 – 7,0	kJ/m <sup>2</sup>
Processing shrinkage	DIN EN ISO 294-4	parallel	1,1	%
Processing shrinkage	DIN EN ISO 294-4	vertical	2,8	%

IM-BASIC polymers are particularly suitable for mixing with low-molecular HDPE in order to increase the stiffness of the product and improve the flow behaviour.

### Packaging

BigBag on single-use pallet, weight approx. 1,160 kg (equates to approx. 23.2 t per truck load). Silo loading on request.

The quality of granulates made of recycled polymers is subject to variations resulting from the raw materials. Next Polymers Granulates are carefully homogenised and exhibit consistent quality during processing. The stated characteristic values are based on tests performed by a reputable Institute for Polymer Technology and serve as a guideline.

Depending upon the application, the use of additives such as odour absorbers, moisture absorbers and antioxidants may be necessary. We therefore recommend that the application characteristics of our products are investigated before they are taken into permanent use. The same applies to process management during processing.

Under these circumstances we provide no guarantee for the stated characteristic values, but ensure that they are sufficiently accurate to serve as a guide for assessing the suitability for use of the product. We furthermore refer to our quality inspections and monitoring in production and to our works test certificate. The granulates should be stored well-packaged, under dry conditions and for a period not exceeding 3 months.

Our team will be pleased to assist you should you have any questions or require further information.