

Datasheet

Material:	Planolen® HDPE
Colour:	nature
Application:	Bottles, tubes, cans for consumer and industrial packaging
Origin:	100% Post-Consumer-Material
Remark:	This product is not intended for food contact applications

General values	Measure methods	value	unit
Meltindex 190° / 5 :	ISO 1133	1,8	g/10 min
Density:	ISO 1183	0,95	g/cm ³
Bulk density:	ISO 60	0,55	g/cm ³
Rest humidity:	IR Strahler	< 0,2	%

Mechanical values

Notched impact strength:	ISO 179/1eA	partial break 25	kJ/m ²
Impact strength:	ISO 179/1eU	non break	kJ/m ²
Flexure modulus:	ISO 178-B 3	800	Mpa
3,5 % - flexure tension	ISO 178	22	Mpa
Flexure strength:	ISO 178	19	Mpa
Tensile-E-Modulus:	ISO 527	780	Mpa
Tensile yield strength:	ISO 527	23	Mpa
Tensile strain:	ISO 527	9	%
Breakstress:	ISO 527	15	Mpa
Ultimate elongation:	ISO 527	> 130	%

Remarks:

The values given above are approximate values based on our findings and experience to date. They may be affected by processing conditions, modifications, auxiliary substances and the environment and are no substitute for the user's own inspections and tests. The information we provide cannot be taken as a legally binding assurance of specific properties or suitability for a specific use.

