

Technical Data
CARBOFOL® HDPE 406 1,0 s/s
smooth / smooth
OIT



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Property	Test Method	Unit	
Thickness nominal -5%	ASTM D5199	mm	1,00
Length	DIN EN 1850-2	m	200
Width	DIN EN 1850-2	m	5,0
Roll weight, approx.	‰	Kg	915
Density	ASTM D1505 ASTM D792	g/cm ³	0,942
Melt Flow Rate	ASTM D1238 Cond. P 190/5	g/10 min	≥1,0 / ≤3,0
Melt Flow Rate	ASTM D1238 Cond. E 190/2,16	g/10 min	≥0,5 / ≤1,0
Tensile strength at yield	ASTM D6693	N/mm MPA	16 15
Elongation at yield	ASTM D6693	%	12
Tensile strength at break	ASTM D6693	N/mm MPA	26 26
Elongation at break	ASTM D6693	%	600
Carbon black content	ASTM D1603	%	2
Carbon black dispersion	ASTM D5596	Category	1-2
Tear resistance	ASTM D1004	N	130
Cold bending at -20°C	ASTM D2136	‰	passed
Multi axial elongation	Based on DIN 53861 / EN 14151	%	≥15
Perforation resistance	DIN 16726	mm	450
Dimensional stability after warm storage 1h/100°C	ASTM D1204	%	≤ 2
OIT	ASTM D3895	min	100
Puncture resistance	ASTM D4833 EN ISO 12236	N	420 3000

file: 6002010 CARBOFOL HDPE 406 1,0 s_s smooth_smooth Thickness1,0 mm Width5,00 m OIT en.docx

remark:

The listed technical values are guiding values, achieved in our laboratories and/or independent testing institutes.
 Our products are subject to change without prior notice.