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Technical Data 2179
Carbofol® Type HDPE 406
smooth / smooth
acc. to GM 13

dated: 03.01.2011

Property	Test Method ASTM	Unit					Testing Frequency (minimum)
Thickness (min. average) - 10% Lowest individual for any of 10 values	D 5199	mm	1,0	1,5	2,0	2,5	per roll
Width	/	m	9,4 / 4,7	9,4 / 4,7	9,4 / 4,7	9,4 / 4,7	per day
Density	D 1505 / D 792	g/cm ³	0,942	0,942	0,942	0,942	90,000 kg
Tensile strength at yield	D 6693	kN/m	16	25	33	43	9,000 kg
Elongation at yield	D 6693	%	12	12	12	12	9,000 kg
Tensile strength at break	D 6693	kN/m	28	42	56	70	9,000 kg
Elongation at break	D 6693	%	700	700	700	700	9,000 kg
Tear resistance	D 1004	N	135	195	260	325	20,000 kg
Puncture resistance	D 4833	N	390	480	640	800	20,000 kg
Carbon black content	D 1603	%	2-3	2-3	2-3	2-3	9,000 kg
Carbon black dispersion	D 5596	Category	1-2	1-2	1-2	1-2	20,000 kg
Oxidative Induction Time (OIT)							
a) standard OIT	D 3895	min	100	100	100	100	90,000 kg
Oven Aging at 85°C (retrained after 90 days)	D 5721						
a) standard OIT	D 3895	%	55	55	55	55	per each formulation
UV Resistance							
a) standard OIT	D 3895	%	50	50	50	50	per each formulation

NCTL - Test* Stress crack resistance	D 5397	hour	400	GRI GM-10
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remark:

*requirement GM13 : 300h

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.