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**Technical Data 2158**  
**Carbofol® Type HDPE 406 GM13**  
**MegaFriction / smooth**  
**acc. to GM 13**  
**Values tested in the structured area**

dated: 20.01.2010

Property	Test Method ASTM	Unit				Testing Frequency (minimum)
Thickness (nom. – 5 %)						
- 10% Lowest individual for 8 out of 10 values	D 5994	mm	1,5	2,0	2,5	per roll
-15% Lowest individual for any of the 10 values						
Width	/	m	5,1	5,1	5,1	per day
Asperity height	D 7466	mm	≥ 0,9	≥ 0,9	≥ 0,9	Every 2 <sup>nd</sup> roll
Density	D 1505 / D 792	g/cm <sup>3</sup>	0,942	0,942	0,942	90,000 kg
Tensile strength at yield	D 6693	kN/m	23	30	38	9,000 kg
Elongation at yield	D 6693	%	12	12	12	9,000 kg
Tensile strength at break	D 6693	kN/m	24	32	40	9,000 kg
Elongation at break	D 6693	%	300	300	300	9,000 kg
Tear resistance	D 1004	N	200	280	350	20,000 kg
Puncture resistance	D 4833	N	550	700	820	20,000 kg
Carbon black content	D 1603	%	2-3	2-3	2-3	9,000 kg
Carbon black dispersion	D 5596	Category	1-2	1-2	1-2	20,000 kg
<b>Oxidative Induction Time (OIT)</b> a) standard OIT	D 3895	min	100	100	100	90,000 kg
<b>Oven Aging at 85°C</b> (retrained after 90 days) a) standard OIT	D 5721 D 3895	%	55	55	55	per each formulation
<b>UV Resistance</b> a) standard OIT	D 3895	%	50	50	50	per each formulation

**Values tested in the outside edge welding zones**

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.