

Technical Data 2159
Carbofol® Type HDPE 406 GM13
MegaFriction / MegaFriction
 acc. to **GM 13**

Values tested in the structured area

dated: 28.01.2008

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	/	mm	5100	5100	5100	per day
Asperity height	GM 12	mm	≥ 0,9	≥ 0,9	≥ 0,9	Every 2 nd roll
Density	D 1505 / D 792	g/cm ³	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	%	13	13	13	9,000 kg
Tensile strength at break	D 6693	kN/m	24	32	40	9,000 kg
Elongation at break	D 6693	%	400	400	400	9,000 kg
Tear resistance	D 1004	N	200	280	350	20,000 kg
Puncture resistance	D 4833	N	500	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
Oxidative Induction Time (OIT)						
a) standard OIT	D 3895	min	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	per each formulation
UV Resistance						
a) standard OIT	D 3895	%	50	50	50	per each formulation

Values tested in the outside edge welding zones

Stress crack resistance	D 5397	hour		300		Per GRI GM-10
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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.