

**Technical Data 2103**  
**Carbofol® Type HDPE 507**  
 smooth/smooth

dated: 28.01.2008

Property	Test Method	Unit	1,50 mm	2,00 mm	2,50 mm	3,00 mm
Width	/	mm	5100	5100	5100	5100
Thickness	ASTM D 5199	mm	1,50	2,00	2,50	3,00
Density	ASTM 1505 ASTM D 792	g/cm <sup>3</sup>	0,942	0,942	0,942	0,942
Carbon black content	ASTM D 1603	%	2	2	2	2
Melt flow index	ASTM D 1238 Cond. P 190/5	g/10 min	2,5	2,5	2,5	2,5
Tensile strength at yield	ASTM D 6693	N/mm <sup>2</sup>	15	15	15	15
Elongation at yield	ASTM D 6693	%	12	12	12	12
Tensile strength at break	ASTM D 6693	N/mm <sup>2</sup>	30	30	30	30
Elongation at break	ASTM D 6693	%	700	700	700	700
Tear resistance	ASTM D 1004	N/mm	130	130	130	130
Cold bending at -20°C	ASTM D 2136	passed	passed	passed	passed	passed
Multi axial elongation	Based on DIN 53861 EN 14151	%	15	15	15	15
Perforation resistance	DIN 16726	mm	800	1200	1600	2000
Dimensional stability after warm storage 1h/100°C	ASTM D 1204	%	≤ 2	≤ 1	≤ 1	≤ 1
Carbon black dispersion	ASTM D 5596	Cat. 1-2	Cat. 1-2	Cat. 1-2	Cat. 1-2	Cat. 1-2
OIT	ASTM D 3895	min	70	70	70	70

file: 2103 - 507 s-s Rev.5 en.doc