



Technical Data 2103
Carbofol® Type HDPE 507
smooth/smooth

NAUE GmbH & Co. KG
 Windmuehlenweg 4
 47906 Kempen/Toenisberg, Germany

Phone: +49 2845 808-0 · Fax: +49 2845 808-116
 E-Mail: info@naue.com · Internet: www.naue.com

dated: 20.01.2010

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

file: 2103 - 507 s-s Rev.9 en.doc

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.