



SIVACO
ONTARIO
A HEICO COMPANY

ISO 9001:2000, ISO 14001:2004 AND OHSAS 18001:2007 REGISTERED

SIVACO Ontario
a Division of SIVACO Wire Group L.P.
330 Thomas Street
PO Box 220
Ingersoll, Ontario CANADA
N5C 3K5
(519) 485-4150 Fax (519) 485-3039

Physical Test Report

WORK ORDER
051395

HEAT NUMBER
A00476

SALES ORDER / RLS
030668 / 4

CERT ID / REV
00012618 / 01

SOLD TO

Pioneer Polymers Inc.
14 Industrial Park Rd
P.O. Box 148
Tilbury, ON N0P 2L0
Canada
Attn: Quality Assurance

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	COILS	LADING NO	SHIPMENT DATE					
	13.50-1018	6,598 lbs	2	00042302	03/26/2010					
SPECIFICATION PIQ1018135-24 13.50mm (0.5310") 1018 IQ, Clean/Coat, Clean/Lime (MOD), Pioneer Polymers Inc., 7213.91.6000 Hot Rolled Rods Dia.<14.0mm (0.551"),Further Processed,Carbon < 0.60%										
CUSTOMER REQUIREMENTS										
Chemical (value of 9 = n/a)										
C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al
.1800	.6500	.0090	.0120	.2300	.1800	.0600	.0800	.0330	.0080	.0040
B	V	N								
.0001	.0040	.0073								
Dimensional										
<u>TEST</u>	<u>UNITS</u>	<u>HIGH</u>	<u>LOW</u>	<u>AVERAGE</u>						
Diameter (inch)	in	.531	.529	0.530						
End of Certification										

I attest that the results are a true and correct copy of the records prepared and maintained by SIVACO Ontario in compliance with the requirements of the cited specification. Chemistry is as reported by the rod / bar supplier. This test report cannot be reproduced or distributed, except in full, without the written permission of SIVACO Ontario.

Authorized by: Graham Benoit, QA Manager