

RE: Mechanical Analysis performed on ten (10) sample plate, received on 09/01/2016, pursuant to your request.

Longitudinal Mechanical Properties Flat

Heat Treated					
	#1	#2	#3	#4	#5
Stress Area, Sq. In	0.0559	0.0564	0.0564	.0.559	0.0566
Yield Strength, 0.2% Offset, psi	108,247	95,372	101,631	99,982	101,731
Tensile Strength, psi	133,775	123,794	122,199	125,903	125,972
Elongation @ Break in 1" %	25.00	18.20	15.20	17.50	18.10
Hardness Rockwell C	62	57	52	54	54

Longitudinal Mechanical Properties Flat

Not Heat Treated					
	#1	#2	#3	#4	#5
Stress Area, Sq. In	0.0559	0.0562	0.0557	0.0557	0.0562
Yield Strength, 0.2% Offset, psi	59,535	61,335	61,167	59,605	61,050
Tensile Strength, psi	71,807	72,117	73,357	72,980	72,153
Elongation @ Break in 1" %	40.80	39.10	39.80	40.60	37.80
Hardness Rockwell B	78	70	74	72	68