

RESINS - LBS	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
H-922	0	0	0	0	0	0	0	0	0	0	0	0
H-FR992	0	0	0	0	0	0	0	0	0	0	0	0
H-FR998	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
A-7334	0	0	0	0	0	0	0	0	0	0	0	0
A-7241	0	0	0	0	0	0	0	0	0	0	0	0
K022-ACA	0	0	0	0	0	0	0	0	0	0	0	0
VE8300	1350	0	0	1350	0	0	0	0	0	0	0	0
VE8440	450	4050	2250	4050	0	0	0	0	0	0	0	0
VE8441	0	0	0	2550	0	0	0	0	0	0	0	0
VE8400	450	900	450	450	0	0	0	0	0	0	0	0
VE8401	0	0	0	0	0	0	0	0	0	0	0	0
VE8430	0	0	0	0	0	0	0	0	0	0	0	0
VE8730	0	0	0	0	0	0	0	0	0	0	0	0
COR75	0	0	1455	0	0	0	0	0	0	0	0	0
COR61	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
Dion-9102	0	0	0	0	0	0	0	0	0	0	0	0
Dion-9300	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
Der 411	0	0	0	0	0	0	0	0	0	0	0	0
Der 470	0	0	0	0	0	0	0	0	0	0	0	0
Der 510A	0	0	0	0	0	0	0	0	0	0	0	0
Der 510C	0	0	0	0	0	0	0	0	0	0	0	0
Der 510N	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
STYRENE	0	0	0	0	0	0	0	0	0	0	0	0

BEGINNING OF MONTH INVENTORIES:

RESINS - LBS	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13
H-922	0	0	0	0	0	0	0	0	0	0	0	0	0
H-FR992	0	0	0	0	0	0	0	0	0	0	0	0	0
H-FR998	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
A-7334	0	0	0	0	0	0	0	0	0	0	0	0	0
A-7241	0	0	0	0	0	0	0	0	0	0	0	0	0
K022-ACA	0	0	0	0	0	0	0	0	0	0	0	0	0
VE8300	0	0	0	250	150	0	0	0	0	0	0	0	0
VE8440	0	0	450	200	400	0	0	0	0	0	0	0	0
VE8441	0	0	0	0	0	0	0	0	0	0	0	0	0
VE8400	0	0	0	0	50	0	0	0	0	0	0	0	0
VE8401	0	0	0	0	0	0	0	0	0	0	0	0	0
VE8430	100	0	0	0	0	0	0	0	0	0	0	0	0
VE8730	0	0	0	450	0	0	0	0	0	0	0	0	0
COR75	0	100	485	485	175	0	0	0	0	0	0	0	0
COR61	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Dion-9102	452	452	0	0	50	0	0	0	0	0	0	0	0
Dion-9300	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Der 411	0	0	0	0	0	0	0	0	0	0	0	0	0
Der 470	452	452	0	0	0	0	0	0	0	0	0	0	0
Der 510A	0	0	0	0	0	0	0	0	0	0	0	0	0
Der 510C	0	0	0	0	0	0	0	0	0	0	0	0	0
Der 510N	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
STYRENE	0	0	0	0	0	0	0	0	0	0	0	0	0

MONTHLY RESIN USAGE:

RESINS - LBS	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Totals
H-922	0	0	0	0	0	0	0	0	0	0	0	0	0.00
H-FR992	0	0	0	0	0	0	0	0	0	0	0	0	0.00
H-FR998	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	0	0	0	0	0	0	0	0	0	0	0	0	0.00
A-7334	0	0	0	0	0	0	0	0	0	0	0	0	0.00
A-7241	0	0	0	0	0	0	0	0	0	0	0	0	0.00
K022-ACA	0	0	0	0	0	0	0	0	0	0	0	0	0.00
VE8300	1350	0	-250	1450	150	0	0	0	0	0	0	0	1.35
VE8440	450	3600	2500	3850	400	0	0	0	0	0	0	0	5.40
VE8441	0	0	0	2550	0	0	0	0	0	0	0	0	1.28
VE8400	450	900	450	400	50	0	0	0	0	0	0	0	1.13
VE8401	0	0	0	0	0	0	0	0	0	0	0	0	0.00
VE8430	100	0	0	0	0	0	0	0	0	0	0	0	0.05
VE8730	0	0	-450	450	0	0	0	0	0	0	0	0	0.00
COR75	-100	-385	1455	310	175	0	0	0	0	0	0	0	0.73
COR61	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Dion-9102	0	452	0	-50	50	0	0	0	0	0	0	0	0.23
Dion-9300	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Der 411	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Der 470	0	452	0	0	0	0	0	0	0	0	0	0	0.23
Der 510A	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Der 510C	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Der 510N	0	0	0	0	0	0	0	0	0	0	0	0	0.00
	0	0	0	0	0	0	0	0	0	0	0	0	0.00
STYRENE	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL TONS	1.1	2.5	1.9	4.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12 MO. TOTALS	38.2	39.1	33.5	34.6	29.5	23.6	19.5	16.3	15.9	12.2	12.8	10.4	

Average Resin Styrene Content Calculation

Resins Used	Yearly Resin Totals (tons)	Resin Styrene Content %	Resin Styrene Used (tons)
	H-922	0.00	43.40%
H-FR992	0.00	42.50%	0.00
H-FR998	0.00	34.00%	0.00
	0.00	0.00%	0.00
A-7334	0.00	41.00%	0.00
A-7241	0.00	46.00%	0.00
K022-ACA	0.00	38.90%	0.00
VE8300	1.35	46.50%	0.63
VE8440	5.40	41.50%	2.24
VE8441	1.28	41.50%	0.53
VE8400	1.13	40.00%	0.45
VE8401	0.00	40.00%	0.00
VE8430	0.05	53.00%	0.03
VE8730	0.00	38.00%	0.00
COR75	0.73	39.90%	0.29
COR61	0.00	33.60%	0.00
	0.00	0.00%	0.00
Dion-9102	0.23	44.00%	0.10
Dion-9300	0.00	41.50%	0.00
	0.00	0.00%	0.00

Der 411	0.00	43.00%	0.00
Der 470	0.23	33.00%	0.07
Der 510A	0.00	38.00%	0.00
Der 510C	0.00	35.00%	0.00
Der 510N	0.00	37.00%	0.00
	0.00	0.00%	0.00
STYRENE	0.00	100.00%	0.00

Total Resin Used	10.38	
Total Styrene Used	4.3	8677
Average Annual Styrene Content		41.8%
Manual Lay-up Applications Emission Factor		133.30
Mech. Spray Lay-up Applications Emission Factor		98.3
Filament Wound Applications Emission Factor		170.0

tons/lbs
lb styrene/ton resin
lb styrene/ton resin
lb styrene/ton resin

MONTHLY GLASS PURCHASES:

Glass Types	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
Winder Glass	0	4726.7	0	4770.7	0	0	0	0	0	0	0	0
24 Oz. Roving	851.2	876.2	110.2	330.6	0	0	0	0	0	0	0	0
Gun Roving	335.2	251.4	251.4	419	0	0	0	0	0	0	0	0
1 1/2 Oz. Mat	1003	1303.9	401.2	1103.3	0	0	0	0	0	0	0	0
Bris												
Biaxial												

BEGINNING OF MONTHLY GLASS INVENTORIES:

RESINS - LBS	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13
Winder Glass	450	0	2376	2000	0	0	0	0	0	0	0	0	0
24 Oz. Roving	350	326	531	100	181	0	0	0	0	0	0	0	0
Gun Roving	205	246	164	140	10	0	0	0	0	0	0	0	0
1 1/2 Oz. Mat	678	893	980	300	657	0	0	0	0	0	0	0	0
Bris													
Biaxial													

MONTHLY GLASS USAGE:

GLASS - LBS	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
Winder Glass	450	2350.7	376	6770.7	0	0	0	0	0	0	0	0
24 Oz. Roving	875.2	671.2	541.2	249.6	181	0	0	0	0	0	0	0
Gun Roving	294.2	333.4	275.4	549	10	0	0	0	0	0	0	0
1 1/2 Oz. Mat	788	1216.9	1081.2	746.3	657	0	0	0	0	0	0	0
3 Oz. Bris	0	0	0	0	0	0	0	0	0	0	0	0
Biaxial	0	0	0	0	0	0	0	0	0	0	0	0
2 Oz Bris	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL TONS	1.2	2.3	1.1	4.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
YTD TOTALS	36.9	37.3	31.0	31.4	27.4	22.5	17.9	14.6	12.9	13.7	11.3	9.2

TOTAL ANNUAL RESIN USAGE:	10.38
TOTAL ANNUAL GLASS - TONS	
Winder Glass	4.97
24 Oz. Roving	1.26
Gun Roving	0.73
1 1/2 Oz. Mat	2.24
3 Oz. Bris	0.00
Biaxial	0.00
Bris	0.00
Subtotal	
Liner	n/a

ANNUAL RESIN TOTAL	ANNUAL RESIN %'s	RESIN APPLICATIONS			
		MANUAL	MECH. SPRAY	FILAMENT WOUND	
2.14	1.80%	X	X	1.80%	
1.89	1.59%	0.79%	0.79%	X	50%/50% BREAKDOWN
2.19	1.84%	X	1.84%	X	
6.73	5.66%	1.41%	4.24%	X	25%/75% BREAKDOWN
0.00	0.00%	0.00%	0.00%	X	50%/50% BREAKDOWN
0.00	0.00%	0.00%	0.00%	X	50%/50% BREAKDOWN
0.00	0.00%	0.00%	X	X	
12.95	10.89%				
0.00	0.00%	0.00%	0.00%	X	25%/75% BREAKDOWN
TOTAL		21.8%	2.21%	6.88%	1.80%

MONTHLY STYRENE EMISSIONS BREAKDOWN (LBS) - EMISSION FACTORS FOR 50% STYRENE CONTENT RESINS USED AS WORST CASE SCENARIO

	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
MANUAL	4.5	10.0	7.4	17.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 MO. TOTALS	151.9	155.3	133.3	137.7	869.1	694.9	573.8	479.3	469.7	358.5	378.5	305.8
MECHANICAL SPRAY	74.1	158.8	117.2	283.5	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 MO. TOTALS	2514.7	2571.3	2206.3	2280.7	1942.1	1552.9	1282.2	1071.0	1049.6	801.2	845.8	683.2
FILAMENT WOUND	77.0	175.9	129.8	314.0	28.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 MO. TOTALS	2614.1	2672.9	2293.5	2370.9	2018.9	1614.2	1332.8	1113.3	1091.1	832.9	879.2	710.2
TOTAL MONTHLY STYRENE EMISSIONS (LBS)												
STYRENE EMMITTED (LBS)	155.5	344.7	254.4	615.3	56.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 MO. TOTALS (TONS)	2.80	2.73	2.76	2.97	2.84	2.29	1.98	1.61	1.24	1.08	0.84	0.71

1426.6