



Masterbatches e Additivi per Materie Plastiche ed Elastomeri

**FERRO-PLAST S.r.l.**

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## FerroCell OBSH for EPDM weather strip

Informazioni Tecniche

### FERROCELL OHV and FERROCELL OHC

#### Physical data of OHV / OHC

	OHV (0280115V)	OHC (0280115C)
Chemical Name	p,p'-oxybis(benzenesulfonylhydrazide)	
Appereance	White fine powder	
Decomposition temperature (°C)	158	159
Gas Volume (ml/gr)	132	133
Average particle size (um)	8.88 by laser	8.49 by laser
Moisture (%)	0.25	0.23
Sieve residue (%@ 100mesh)	nil	nil

#### Powder characteristics of OHV / OHC

	OHV (0280115V)	OHC (0280115C)	DJO - FPI-
Angle of repose(d), R	50.1	50.3	33
Angle of fall(d), F	28.4	28.7	33
Angle of difference(d), D = R-A	21.7	21.6	33
Aerated bulk density(gms/cc), A	0.298	0.299	33
Packed bulk density(gms/cc), P	0.652	0.656	33
Compressibility(%), C = 100(P-A)/P	54.294	54.421	33

FERROCELL OHV - ANALYSIS REPORT

SAMPLE	FERROCELL OHV		
LOT. NR.	0280115V	APS	8.88um by Laser
MAGNIFICATION	X 500		



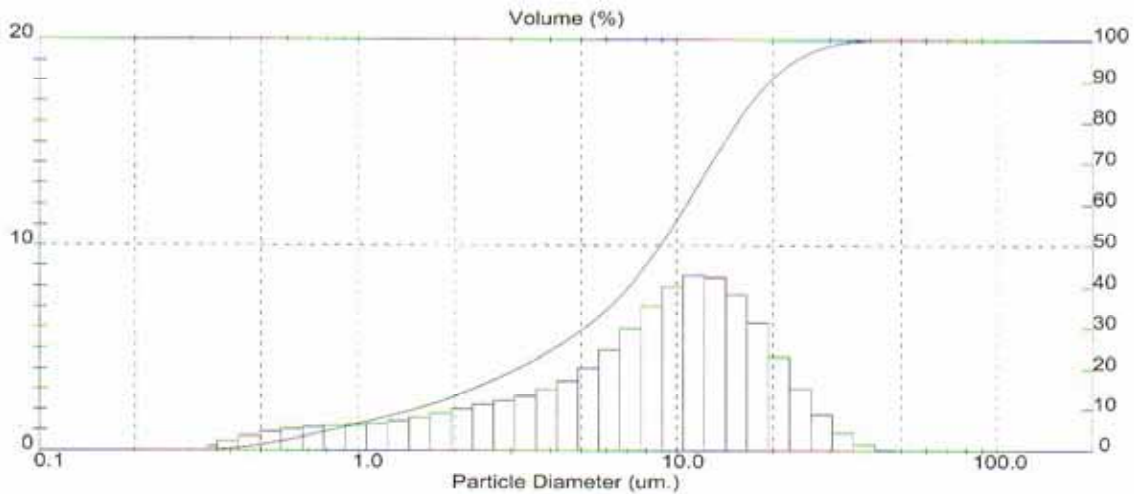
Result: Analysis Report

Sample Details		
Sample ID: FERROCELL OHV	Run Number: 305	Measured: 15 Jan 2008 13:40PM
Sample File: OH	Record Number: 175	Analysed: 15 Jan 2008 13:40PM
Sample Path: D:\SIZERMUI\DATA\		Result Source: Analysed
Sample Notes: LOT.NO: 0280115V DISPERSANT: I.P.A		

System Details		
Sampler: MS1		Measured Beam Obscuration: 10.5 %
Presentation: 4OHD	[Particle R.I. = ( 1.5295, 0.1000); Dispersant R.I. = 1.3300]	
Analysis Model: Polydisperse		Residual: 3.559 %
Modifications: None		

Result Statistics			
Distribution Type: Volume	Concentration = 0.0075 %Vol	Density = 1.650 g / cub. cm	Specific S.A. = 0.9770 sq. m / g
Mean Diameters:	D (v, 0.1) = 1.51 um	D (v, 0.5) = 8.88 um	D (v, 0.9) = 19.60 um
D [4, 3] = 9.93 um	D [3, 2] = 3.72 um	Span = 2.037E+00	Uniformity = 6.366E-01

Size Low (um)	In %	Size High (um)	Under%	Size Low (um)	In %	Size High (um)	Under%
0.31	0.21	0.36	0.21	10.48	8.54	12.21	67.17
0.36	0.46	0.42	0.66	12.21	8.44	14.22	75.61
0.42	0.70	0.49	1.36	14.22	7.62	16.57	83.23
0.49	0.90	0.58	2.26	16.57	6.24	19.31	89.47
0.58	1.04	0.67	3.30	19.31	4.58	22.49	94.05
0.67	1.14	0.78	4.43	22.49	3.00	26.20	97.06
0.78	1.19	0.91	5.62	26.20	1.74	30.53	98.79
0.91	1.23	1.06	6.86	30.53	0.86	35.56	99.65
1.06	1.30	1.24	8.15	35.56	0.31	41.43	99.96
1.24	1.40	1.44	9.56	41.43	0.04	48.27	100.00
1.44	1.57	1.68	11.13	48.27	0.00	56.23	100.00
1.68	1.79	1.95	12.93	56.23	0.00	65.51	100.00
1.95	2.03	2.28	14.95	65.51	0.00	76.32	100.00
2.28	2.24	2.65	17.19	76.32	0.00	88.91	100.00
2.65	2.44	3.09	19.63	88.91	0.00	103.58	100.00
3.09	2.66	3.60	22.30	103.58	0.00	120.67	100.00
3.60	2.96	4.19	25.25	120.67	0.00	140.58	100.00
4.19	3.40	4.88	28.65	140.58	0.00	163.77	100.00
4.88	4.04	5.69	32.69	163.77	0.00	190.80	100.00
5.69	4.91	6.63	37.60	190.80	0.00	222.28	100.00
6.63	5.98	7.72	43.56	222.28	0.00	258.95	100.00
7.72	7.06	9.00	50.62	258.95	0.00	301.68	100.00
9.00	8.01	10.48	58.63				



FERROCELL OHC - ANALYSIS REPORT

SAMPLE	FERROCELL OHC		
LOT. NR.	0280115C	APS	8.88um by Laser
MAGNIFICATION	X 500		



Result: Analysis Report

<b>Sample Details</b>		
Sample: FERROCELL OHC	Run Number: 308	Measured: 15 Jan 2008 13:40PM
Sample File: OH	Record Number: 176	Analysed: 15 Jan 2008 13:40PM
Sample Path: D:\SIZERMU\DATA\		Result Source: Analysed
Sample Notes: LOT.NO: 0280115C DISPERSANT: I.P.A		

<b>System Details</b>		
Sampler: MS1		Measured Beam Obscuration: 14.1 %
Presentation: 4OHD	[Particle R.I. = ( 1.5295, 0.1000);	Dispersion R.I. = 1.3300]
Analysis Model: Polydisperse		Residual: 3.426 %
Modifications: None		

<b>Result Statistics</b>			
Distribution Type: Volume	Concentration = 0.0097 %Vol	Density = 1.650 g / cub. cm	Specific S.A. = 1.0498 sq. m / g
Mean Diameters:	D (v, 0.1) = 1.33 um	D (v, 0.5) = 8.49 um	D (v, 0.9) = 19.38 um
D [4, 3] = 9.63 um	D [3, 2] = 3.46 um	Span = 2.125E+00	Uniformity = 6.682E-01

Size Low (um)	In %	Size High (um)	Under%	Size Low (um)	In %	Size High (um)	Under%
0.31	0.23	0.36	0.23	10.48	8.20	12.21	68.65
0.38	0.50	0.42	0.73	12.21	8.06	14.22	76.71
0.42	0.77	0.49	1.50	14.22	7.25	16.57	83.97
0.49	1.00	0.58	2.49	16.57	5.91	19.31	89.88
0.58	1.17	0.67	3.66	19.31	4.34	22.49	94.22
0.67	1.29	0.78	4.95	22.49	2.85	26.20	97.07
0.78	1.37	0.91	6.32	26.20	1.67	30.53	98.75
0.91	1.43	1.06	7.75	30.53	0.85	35.56	99.60
1.06	1.51	1.24	9.26	35.56	0.34	41.43	99.94
1.24	1.62	1.44	10.88	41.43	0.06	48.27	100.00
1.44	1.79	1.68	12.67	48.27	0.00	56.23	100.00
1.68	2.00	1.95	14.67	56.23	0.00	65.51	100.00
1.95	2.21	2.28	16.88	65.51	0.00	76.32	100.00
2.28	2.39	2.65	19.27	76.32	0.00	88.91	100.00
2.65	2.55	3.09	21.82	88.91	0.00	103.58	100.00
3.09	2.74	3.60	24.57	103.58	0.00	120.67	100.00
3.60	3.02	4.19	27.58	120.67	0.00	140.58	100.00
4.19	3.44	4.88	31.02	140.58	0.00	163.77	100.00
4.88	4.05	5.69	35.07	163.77	0.00	190.80	100.00
5.69	4.88	6.63	39.95	190.80	0.00	222.28	100.00
6.63	5.86	7.72	45.81	222.28	0.00	258.95	100.00
7.72	6.89	9.00	52.70	258.95	0.00	301.68	100.00
9.00	7.75	10.48	60.45				

