

## TIMCAL ENSACO™ 260G Conductive Carbon Black

Category : Carbon , Carbon Black , Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

ENSACO™ & SUPER P™ conductive carbon blacks are carbon blacks with a high to very high void volume allowing the retention of a carbon network at low to very low filler content. The void volume can originate from the interstices between the carbon black particle due to their complex arrangement and from the porosity. Applications: black pigment UV stabilizer rubber reinforcement Information provided by TIMCAL

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_TIMCAL-ENSACO-260G-Conductive-Carbon-Black.php](http://www.lookpolymers.com/polymer_TIMCAL-ENSACO-260G-Conductive-Carbon-Black.php)

Physical Properties	Metric	English	Comments
Density	0.170 g/cc	0.00614 lb/in <sup>3</sup>	Pour Density; ASTM D1513
Volatiles	<= 0.20 %	<= 0.20 %	Weight loss during heating between 105 and 950°C; Internal Method 02
Oil Absorption	190 %	190 %	OAN (Oil Absorption Number) ml/100g; ASTM D2414
Particle Size	45 µm	45 µm	2 ppm sieve residue; ASTM D1514
pH	8.0 - 11	8.0 - 11	ASTM D1512
Specific Surface Area	70 m <sup>2</sup> /g	70 m <sup>2</sup> /g	BET Nitrogen Surface Area; ASTM D3037
Ash	0.010 %	0.010 %	ASTM D1506

Component Elements Properties	Metric	English	Comments
Sulfur, S	0.020 %	0.020 %	ASTM D1619

Electrical Properties	Metric	English	Comments
Volume Resistivity	8.0 ohm-cm	8.0 ohm-cm	25% Carbon Black
	100 ohm-cm	100 ohm-cm	18% Carbon Black
	1000 ohm-cm	1000 ohm-cm	15% Carbon Black
	10000 ohm-cm	10000 ohm-cm	14% Carbon Black
	3.25 ohm-cm	3.25 ohm-cm	25% Carbon Black
	@Time 300 sec	@Time 0.0833 hour	
	3.5 ohm-cm	3.5 ohm-cm	25% Carbon Black
	@Time 420 sec	@Time 0.117 hour	
	4.0 ohm-cm	4.0 ohm-cm	25% Carbon Black

Electrical Properties	@Time 540 sec Metric	@Time 0.150 hour English	Comments
	50 ohm-cm	50 ohm-cm	18% Carbon Black
	@Time 300 sec	@Time 0.0833 hour	
	75 ohm-cm	75 ohm-cm	18% Carbon Black
	@Time 540 sec	@Time 0.150 hour	

Processing Properties	Metric	English	Comments
Moisture Content	0.10 %	0.10 %	as packed; ASTM D1509

Descriptive Properties	Value	Comments
Aspect	Fine black granules	
COAN (Crushed OAN) ml/100g	104	ASTM D3493
Toluene Extract, Max, %	0.1	ASTM D4527

## Contact Songhan Plastic Technology Co.,Ltd.

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