

## Carbon Black Analytical Testing

ASTM Ref.	Test Method	Sample Requirement	Price
D2414	Oil Absorption Number (OAN)	100 g	\$220
D3493	Oil Absorption Number – Compressed Sample (COAN)	100 g	\$250
D1510	Iodine Absorption Number	2 g	\$280
D6556	Total and External Surface Area by Nitrogen Adsorption	2 g	\$350
D3265	Tint Strength	2 g	\$270
D1618	Transmittance of Toluene Extract	10 g	\$250
D1509-B	Heating Loss by Moisture Balance (Moisture)	30 g	\$150
D1509-A	Heating Loss by Oven Method (Moisture)	30 g	\$250
D1506-A	Ash Content by Muffle Furnace	30 g	\$250
D1514	Sieve Residue		
	#35 Mesh	600 g	\$250
	#325 Mesh or #500 Mesh	200 g	\$300
D1508	Pelleted Fines and Attrition	200 g	\$175
D5230	Automated Individual Pellet Hardness	500 g	\$250
D1511	Pellet Size Distribution	200 g	\$230
D1513	Pour Density	500 g	\$180
D1937	Mass Strength	1000 g	\$300
D1512	pH Value	10 g	\$250
D1619-B	Sulfur Content by XRF	10 g	\$200
D6370	Compositional Analysis by Thermogravimetry (TGA)	1 g	\$350
ISO 15825	Aggregate Size Distribution by Disc Centrifuge Photosedimentometry (ASD)	1 g	\$300
	SEM (Scanning Electron Microscopy)		\$500/hr

# Rubber Property Testing

ASTM Ref.	Test Method	Price
--	Compounding	\$150/hr
D3191	Carbon Black Evaluation in SBR	\$300/hr
D3192	Carbon Black Evaluation in NR	\$300/hr
--	Curing	\$225/hr
D412	Tensile, Elongation, and Modulus	\$300
D5289	Vulcanization Characteristics by Moving Die Rheometer (MDR)	\$190
D1646	Mooney Viscosity (Mooney Viscometer)	\$190
D1054	Goodyear-Healey Rebound	\$225
D2240	Durometer Hardness, Type A	\$150
D395-B	Compression Set, Method B	\$300

## Submitting a Sample for Testing

- 1.) Please provide a detailed **Purchase Order** specifying:
  - The sample(s) you are sending (i.e.: Description, Sample #, Lot Number #,...)
  - The test(s) you are requesting
- 2.) **Provide a Safety Data Sheet (SDS)** if available.
- 3.) Please provide enough material to complete the requested testing.
- 4.) Place the sample material and documentation in appropriate packaging and ship to:

**TOKAI CARBON CB**  
Attn: Russell Mason  
4825 N. Freeway  
Fort Worth, TX 76106
- 5.) Then, please contact us by phone or email and let us know that your sample is on the way:  
Russell Mason | [RCMason@tokaicarboncb.com](mailto:RCMason@tokaicarboncb.com) | 817-381-4133