

Soot type	Q_f	Q_{ox}	$Q_{N_2, mix}$	Q_{N_2}	Q_{dil}	λ	Φ	C : O
mCAST black	0.06	1.55	0.0	7.5	20.0	1.0576	0.9455	0.2132
mCAST brown	0.06	1.42	0.25	7.5	20.0	0.9689	1.0321	0.2327