

		F	Properties	
		I	Model	
			Component	

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Frank.		1		
FuelTank			Dimension	
+ fuel - material_structural	Fuel Material		- fuselage_length	float
- material_insulation	Material		fuselage_diameterwing_span	float float
- safety_margin	float		- wing_area	float
- storage_pressure	float		- wing_AR	float
- design_pressure	float			
- length	float			
- ext_diameter	float			
- wall_thickness	float			
+ calculate_tank_mass()				
- calculate_structural()		1		
- calculate_insulation()				
+ calculate_fuel_vol()				
•	<u>.</u>	_		
		-		
Material				
- name	string			
- type	string	1		
- density	float	1		
- yield_strength	float	1		
- thermal_conductivity	float			
		1		

{Class}