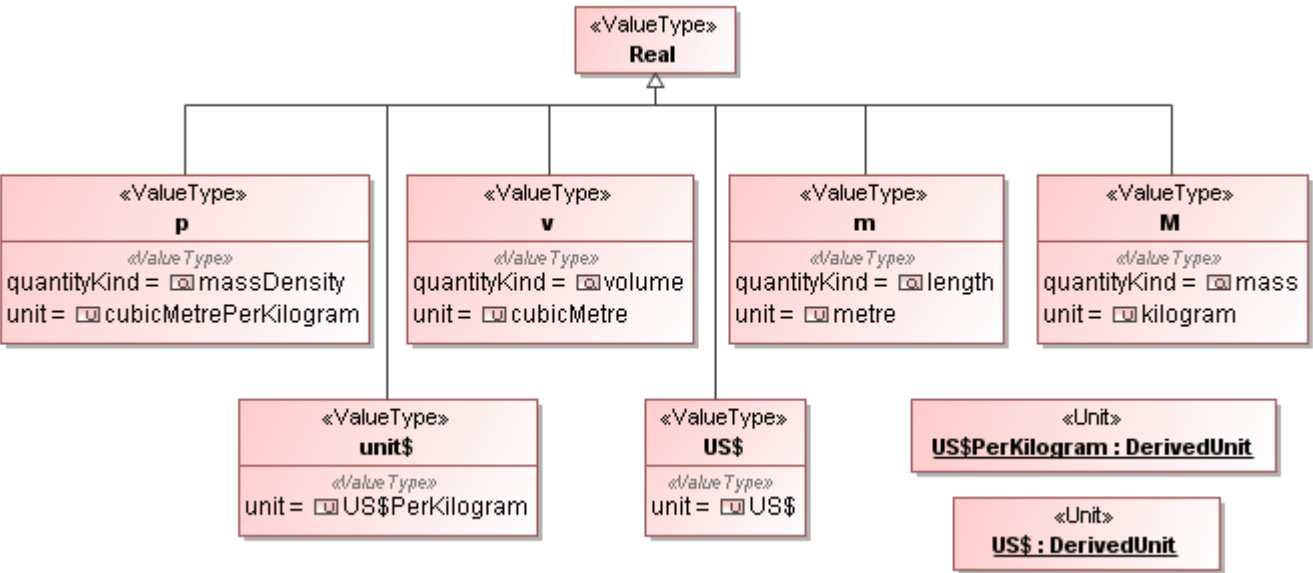


Value type

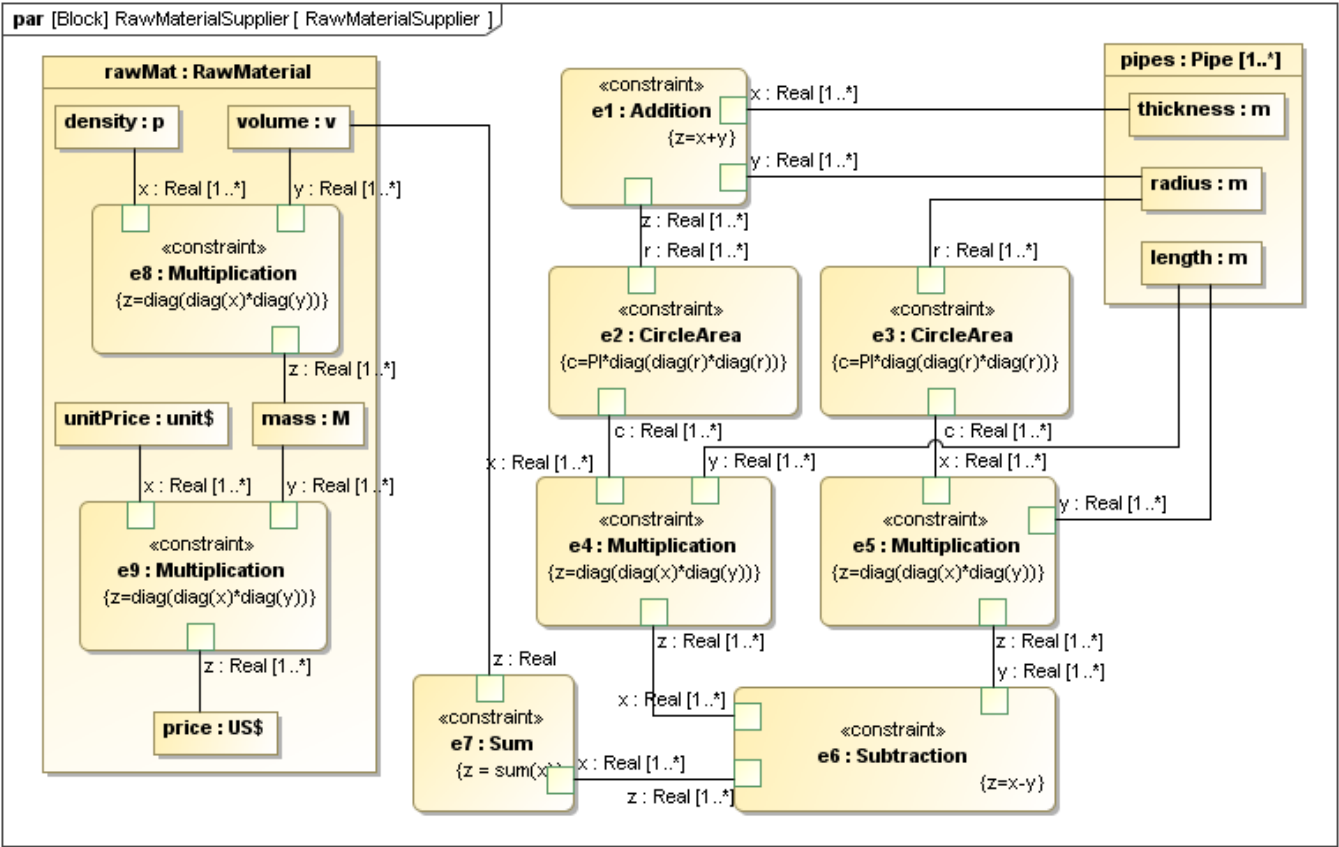
On this page

- [Interpreting ValueType as Real](#)

A value type is a data type stereotyped with «ValueType». SysML allows you to define a value type for typing value properties in your model. You can specify the quantity kind and the unit of the value type with the quantity kinds and units defined in the QUDV library.



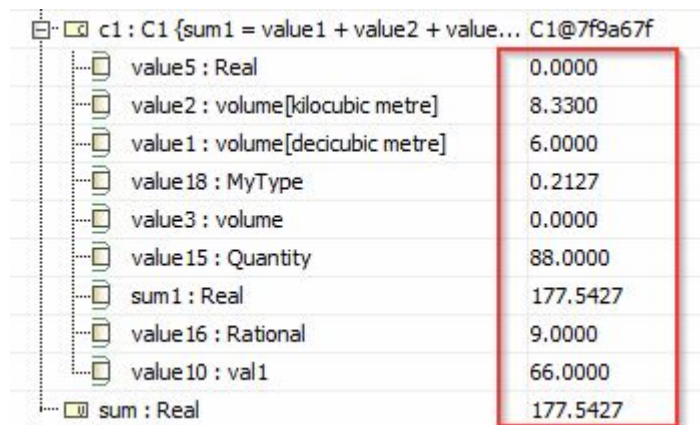
Value Types Inherited from Real.



A SysML Model Using the SysML Value Types Defined.

Interpreting ValueType as Real

Cameo Simulation Toolkit interprets all ValueTypes that are not inherited from any UML or SysML primitive types as Real primitive numbers. For example, if the value property is typed by complex (not a primitive type), it will be interpreted as real.



c1 : C1 {sum1 = value1 + value2 + value... C1@7f9a67f	
value5 : Real	0.0000
value2 : volume[kilocubic metre]	8.3300
value1 : volume[decicubic metre]	6.0000
value18 : MyType	0.2127
value3 : volume	0.0000
value15 : Quantity	88.0000
sum1 : Real	177.5427
value16 : Rational	9.0000
value10 : val1	66.0000
sum : Real	177.5427

Non-Primitive Value Types Interpreted as Real.