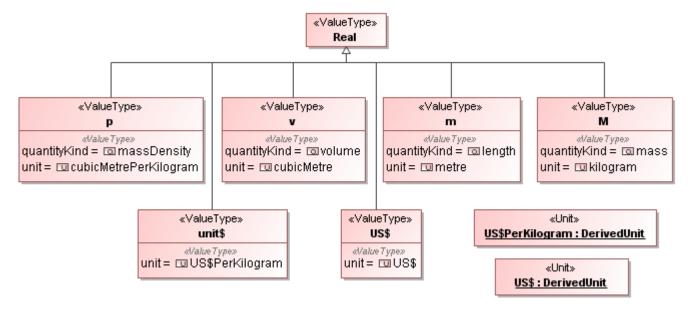# Value type

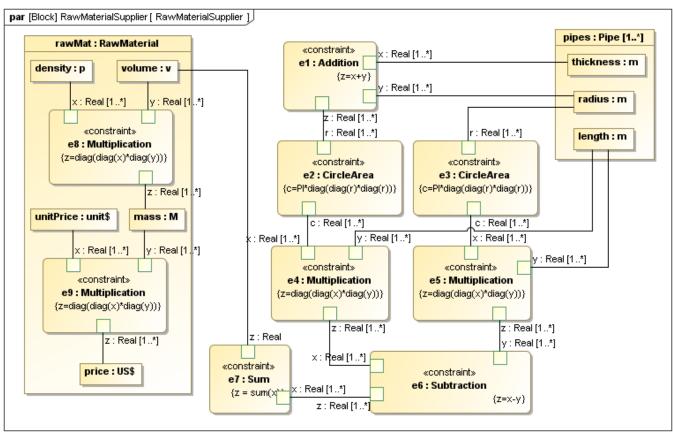**On this page**

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.
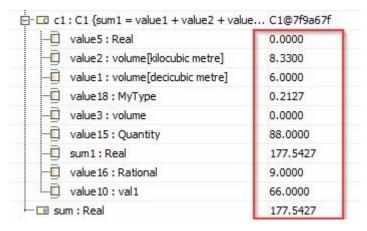

Value Types Inherited from Real.

A SysML Model Using the SysML Value Types Defined.

Interpreting ValueType as Real

Magic Model Analyst 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.