

**Product Texts**

- Formerly Makrolon KU1-1205
- MVR (300 °C/1.2 kg) 6.0 cm<sup>3</sup>/10 min
- flame retardant
- high viscosity
- solid sheet
- aircraft construction
- automotive construction
- railway construction

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Melt volume-flow rate, MVR	6	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	2350	MPa	ISO 527
<sup>[C]</sup> Yield stress	63	MPa	ISO 527
<sup>[C]</sup> Yield strain	6.5	%	ISO 527
<sup>[C]</sup> Nominal strain at break	>50	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Puncture - maximum force, +23°C	5800	N	ISO 6603-2
<sup>[C]</sup> Puncture - maximum force, -30°C	6700	N	ISO 6603-2
<sup>[C]</sup> Puncture energy, +23°C	65	J	ISO 6603-2
<sup>[C]</sup> Puncture energy, -30°C	70	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa	125	°C	ISO 75-1/-2
<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa	140	°C	ISO 75-1/-2
<sup>[C]</sup> Vicat softening temperature, B	147	°C	ISO 306
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
<sup>[C]</sup> Density	1200	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

Test specimen production	Value	Unit	Test Standard
<b>ISO Data</b>			
<sup>[C]</sup> Injection Molding, melt temperature	300	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
Injection Molding, injection velocity	200	mm/s	ISO 294

[C]: CAMPUS

**Characteristics****Processing**

Sheet Extrusion

**Applications**

Aircraft and Aerospace, Automotive

**Special Characteristics**

Flame retardant, Transparent

**Regional Availability**

North America, Europe, Asia Pacific, Near East/Africa