

**KRALASTIC™ AT-05**

ABS

Nippon A&amp;L Inc.

**Product Texts**

ABS resin (Continuous bulk polymerization process).  
For alloy.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>58</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
<b>Other Standards<sup>[S]</sup></b>			
Molding shrinkage, parallel	<b>0.5</b>	%	Producer Method

S: These properties are reported by the producer according standards that are different to our defaults.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Yield stress	<b>42</b>	MPa	ISO 527
Flexural modulus, 23°C	<b>2040</b>	MPa	ISO 178
Flexural strength	<b>63</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>16</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>R 106</b>	-	ISO 2039-2

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>78</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>80</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1050</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Regional Availability**

Asia Pacific