

**Ineos ABS Triax® KU2-3154 ABS + Polyamide Blend (Conditioned), Injection Molding Grade (discontinued \*\*)**




**Categories:** [Polymer](#); [Thermoplastic](#); [ABS Polymer](#); [Acrylonitrile Butadiene Styrene \(ABS\)/Nylon Blend](#); [Nylon \(Polyamide PA\)](#)



**Material Notes:** Triax® KU2-3154 is mineral reinforced, easy-flowing, injection molding grade, and comes in pellets. It has reduced moisture absorption and very low warpage.


The product transitioned to the Terblend® product line.

**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	<a href="#">1.11</a> g/cc	<a href="#">0.0401</a> lb/in <sup>3</sup>	DAM; ISO 1183
Filler Content	8 %	8 %	ISO 3451-1
Water Absorption	1.3 %	1.3 %	ISO 62
Water Absorption at Saturation	3.9 %	3.9 %	ISO 62
Linear Mold Shrinkage, Flow	<a href="#">0.0055</a> cm/cm	<a href="#">0.0055</a> in/in	Test Condition: 60x60x2; 260°C / MT 80°C; 500 bar; ISO 294-4
Linear Mold Shrinkage, Transverse	<a href="#">0.0060</a> cm/cm	<a href="#">0.0060</a> in/in	Test Condition: 60x60x2; 260°C / MT 80°C; 500 bar; ISO 294-4
Melt Flow	<a href="#">8.5</a> g/10 min @Load 5.00 kg, Temperature 260 °C	<a href="#">8.5</a> g/10 min @Load 11.0 lb, Temperature 500 °F	ISO 1133


Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	<a href="#">33.0</a> MPa	<a href="#">4790</a> psi	5 mm/min; ISO 527-1,-2
Tensile Strength, Yield	<a href="#">39.0</a> MPa	<a href="#">5660</a> psi	50 mm/min; ISO 527-1,-2
Elongation at Break	>= 100 %	>= 100 %	5 mm/min; ISO 527-1,-2
Elongation at Yield	4.0 %	4.0 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	<a href="#">2.00</a> GPa	<a href="#">290</a> ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	<a href="#">55.0</a> MPa	<a href="#">7980</a> psi	2 mm/min, @ 3.5% strain; ISO 178
	<a href="#">62.0</a> MPa	<a href="#">8990</a> psi	2 mm/min; ISO 178
Flexural Modulus	<a href="#">1.80</a> GPa	<a href="#">261</a> ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO) 	<a href="#">5.00</a> kJ/m <sup>2</sup> @Temperature -30.0 °C >= <a href="#">7.00</a> kJ/m <sup>2</sup> @Temperature 23.0 °C	<a href="#">2.38</a> ft-lb/in <sup>2</sup> @Temperature -22.0 °F >= <a href="#">3.33</a> ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180-1A ISO 180-1A
Izod Impact, Unnotched (ISO) 	<a href="#">55.0</a> kJ/m <sup>2</sup> @Temperature -30.0 °C >= <a href="#">100</a> kJ/m <sup>2</sup> @Temperature 23.0 °C	<a href="#">26.2</a> ft-lb/in <sup>2</sup> @Temperature -22.0 °F >= <a href="#">47.6</a> ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180-1U ISO 180-1U
Charpy Impact Unnotched 	<a href="#">6.00</a> J/cm <sup>2</sup> @Temperature -30.0 °C >= <a href="#">15.0</a> J/cm <sup>2</sup> @Temperature 23.0 °C	<a href="#">28.6</a> ft-lb/in <sup>2</sup> @Temperature -22.0 °F >= <a href="#">71.4</a> ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179-1eU ISO 179-1eU

Electrical Properties	Metric	English	Comments
Volume Resistivity	<a href="#">1.00e+13</a> ohm-cm	<a href="#">1.00e+13</a> ohm-cm	IEC 60093
Surface Resistance	<a href="#">1.00e+14</a> ohm	<a href="#">1.00e+14</a> ohm	IEC 60093
Dielectric Constant 	3.3 @Frequency 1.00e+6 Hz	3.3 @Frequency 1.00e+6 Hz	IEC 60250
	5.0 @Frequency 100 Hz	5.0 @Frequency 100 Hz	IEC 60250
Dielectric Strength	<a href="#">40.0</a> kV/mm @Thickness 1.00 mm	<a href="#">1020</a> kV/in @Thickness 0.0394 in	IEC 60243-1
Dissipation Factor 	0.040 @Frequency 1.00e+6 Hz	0.040 @Frequency 1.00e+6 Hz	IEC 60250
	0.065 @Frequency 100 Hz	0.065 @Frequency 100 Hz	IEC 60250

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	<a href="#">96.0</a> °C	<a href="#">205</a> °F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	<a href="#">93.0</a> °C	<a href="#">199</a> °F	ISO 75-1,-2
Vicat Softening Point 	<a href="#">95.0</a> °C	<a href="#">203</a> °F	50°C/hour; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	
	<a href="#">115</a> °C	<a href="#">239</a> °F	120°C/hour; ISO 306
	@Load 1.02 kg	@Load 2.25 lb	

Processing Properties	Metric	English	Comments
Melt Temperature	<a href="#">260</a> °C	<a href="#">500</a> °F	Injection Molding; ISO 294
Mold Temperature	<a href="#">80.0</a> °C	<a href="#">176</a> °F	Injection Molding; ISO 294
Injection Velocity	<a href="#">40.0</a> mm/sec	<a href="#">1.57</a> in/sec	Injection Molding; ISO 294

\*\*

Materials flagged as discontinued (  ) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

Users of our Advanced Search (registration required) may exclude discontinued materials from search results.

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.