



## Biopolymer alloys

### Typical Properties

Properties	Test Method	Units	PRD-1071	PRD-1031	PRD-1034
<b>Physical</b>					
Renewable Carbon	ASTM D6866	%	25	25	35
Melt Flow (230°/3.8kg)	ASTM D1238	230° C / 3.8 kg	6 - 8	4 - 5	8 - 10
<b>Mechanical</b>					
Notched Izod	ASTM D256	ft-lb/in of notch	0.5	0.5	0.5
Dynatup Dart Drop	ASTM D1709	ft-lb	1 - 2	1 - 2	1 - 2
Tensile Modulus	ASTM D638	kpsi	500	500	500
Tensile Strength @ Yield	ASTM D638	kpsi	10.6	10.6	10.6
<b>Thermal</b>					
Vicat Softening Point	ASTM D1525	(50°C/hr; 10N)	89 - 93	89 - 93	80 - 84
HDT	ASTM D648	(66 psi as molded annealed, °C)	72 - 76	72 - 76	63 - 67
<b>Optical</b>					
Luminous Transmittance (0.125 in/3.2 mm)	ASTM D1003	%	90	91	89
Haze (0.125 in/3.2 mm)	ASTM D1003	%	2.5	4	4

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To enable its customer to identify products derived wholly or in part from renewable raw materials (over 20% carbon of non-fossil origin), Arkema has devised the "Arkema Rnew" label. The evaluation of products' renewable carbon content is carried out internally based on the ASTM D6866 standard.

See MSDS for Health & Safety Considerations.

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