

Grade List

General Properties

Molding Condition

Applications

[To Website of TERRAMAC in General](#)

TERRAMAC

General properties of TERRAMAC resins

<Injection grades>

[Print Table on A4 Paper](#)

Item Test method	ISO	Unit	Basic grade TE-2000	High-impact grade TE-1030	High-impact grade TE-1070	Heat-resisting grade TE-7000	Heat-resisting grade TE-7307	Heat-resisting grade TE-7300	High-durability grade TE-8210	High-durability grade TE-8300
Appearance	-	-	Transparent	Opaque white	Opaque white	Opaque white	Opaque white	Opaque white	Opaque white	Opaque white
Density	1183	-	1.25	1.24	1.24	1.27	1.42	1.47	1.42	1.47
Melting point	-	°C	170	170	170	170	170	170	170	170
Breaking strength	527	MPa	63	51	34	70	54	54	50	56
Tensile elongation	527	%	4	170	200<	2	2	1	2	1
Bending strength	178	MPa	106	77	50	110	85	98	90	104
Bending modulus	178	GPa	4.3	2.6	1.4	4.6	7.5	9.5	6.8	9.3
Charpy impact strength: With notch	179	kJ/m ²	1.6	2.3	5.6	2.0	2.5	2.4	4.0	2.8
Deflection temperature under load of 0.45 MPa	75	°C	58	51	54	110	120	140	120	140
Molding shrinkage	-	%	0.3~0.5	0.3~0.5	0.3~0.5	1.0~1.2	1.0~1.2	1.0~1.2	1.0~1.2	1.0~1.2

* The data above are typical values of test pieces determined by our tests, and are not intended to guarantee the properties of resins in a particular application.

<Extrusion, blow, and foam sheet grades>

Item Test method	ISO	Unit	Basic grade TP-4000	Soft TP-4030	Foam HV-6250H
Appearance	-	-	Transparent	Opaque white	Opaque white
Density	1183	-	1.25	1.24	1.27
Melting point	-	°C	170	170	170
Breaking strength	527	MPa	66	50	69
Tensile elongation	527	%	5	44	2
Bending strength	178	MPa	108	71	111
Bending modulus	178	GPa	4.6	2.4	4.7
Charpy impact strength: With notch	179	kJ/m ²	1.6	2.6	1.9
Deflection temperature under load of 0.45 MPa	75	°C	59	52	120* ¹
Molding shrinkage	190°C 2.16kg	g/10min	3~5	3~5	1~3

* The data above are typical values of test pieces determined by our tests, and are not intended to guarantee the properties of resins in a particular application.

*¹ This data is a temperature shown in molding at a predetermined die temperature(110°C). In molding with a die of a lower temperature, the temperature is approx. 60°C.

[To Page Top](#)
[Terms of Use](#)
[Privacy Policy](#)
[Corporate Information](#)
[To Unitika Site](#)