

--- Transparent ABS Resin ---

Denka

DENKA TE

Physical properties

Property	Test Methods	Conditions	Unit	<i>TE-10S</i>	<i>TE-20S</i>	<i>TE-30S</i>
				General Purpose	High Rigidity	High Impact
Melt Mass Flow Rate	ISO 1133	200deg.C 49N	g/10min	1.7	2.0	1.2
		220deg.C 98N		25	28	19
Tensile stress at yield	ISO 527-1, -2	50mm/min	MPa	42	48	38
Flexural Modulus	ISO 178	2mm/min	MPa	2,000	2,300	1,700
Flexural Strength			MPa	63	74	56
Charpy Impact Strength	ISO 179	Notched	kJ/m ²	15	10	17
Temp of deflection under load	ISO 75-1, -2	1.8MPa Flatwise	deg.C	70	73	68
Vicat Softening Temp	ISO 306	50N	deg.C	87	93	84
Rockwell Hardness	ISO 2039-2	M-scale	-	46	54	37
Density	ISO 1183	23 deg.C	kg/m ³	1,092	1,106	1,079
Light Transmission	ISO 13468-1	2mmt	%	91	91	91
Haze	ISO 14782	2mmt	%	1.5	1.3	1.8
Molding Shrinkage	DENKA Method	2mmt	%	0.5	0.5	0.5
Flammability	UL94 (UL File No.E49895)			HB	HB	HB

* The above values are typical and not guaranteed.

Injection Molding Condision

	Unit	TE-10S	TE-20S	TE-30S
Pre-drying	Temp. [deg.C]	70~80	80	70~80
	Time [hr]	2~3		
Cylinder Temperature	[deg.C]	200~230	200~240	200~230
Nozzle Temperature	[deg.C]	220~230	230~240	220~230
Mold Temperature	[deg.C]	40~70		

Last update : 31-May-2016