

DENKA Chemical Resistant ABS "SR series "

Physical properties

Pproperty	Test Methods	Conditions	Unit	SR-T-7H	SR-Q
				Chemical Resistance High Impact	Chemical Resistance Good Flow

◆ISO Method

Melt Mass Flow Rate	ISO 1133	220deg.C 98N	g/10min	11	17
Tensile Modulus	ISO 527-1, -2	1mm/min	MPa	2,200	2,450
Tensile stress at yield		50mm/min	MPa	44	48
Tensile stress at break			MPa	34	36
Flexural Modulus	ISO 178	2mm/min	MPa	2,100	2,350
Flexural Strength			MPa	68	74
Charpy Impact Strength	ISO 179	Notched	kJ/m ²	37	15
Temp of deflection under load	ISO 75-1, -2	1.8MPa Flatwise	deg.C	78	80
Vicat Softening Temp	ISO 306	50N	deg.C	98	100
Rockwell Hardness	ISO 2039-2	R-scale	-	100	106
Density	ISO 1183	23 deg.C	kg/m ³	1,050	1,060

◆ASTM Method

Tensile Modulus	ASTM D-638	5mm/min	MPa	42	45
Flexural Modulus	ASTM D-790	15mm/min	MPa	2,100	2,400
Flexural Strength			MPa	65	72
Izod Impact Strength	ASTM D-256	Notched	J/m	363	164
Heat Deflection Temperature	ASTM D-648	1.8MPa Edgewise	deg.C	86	88
Vicat Softing Temperature	ASTM D-1525	50N	deg.C	97	98
Rockwell Hardness	ASTM D-785	R-scale	-	106	110
Density	ASTM D-792	23 deg.C	-	1.05	1.05

◆Other properties

Flammability	UL94 (UL File No.E49895)			HB	HB
Molding Shrinkage	DENKA Method	2mmt	%	0.4~0.6	0.4~0.6

* The above values are typical and not guaranteed.