

DENKA SAN Resin / Physical Properties



	Metod	Condition	Unit	Injection Molding				Compounding				
				Standard		High Strength	Lighter	Standard		High Strength	High Flow	
				[Blue]	[Crystal]	[Blue]	[Yellow]				Standard	High Strength
				AS-C-800	AS-888	AS-700	ASX-005	AS-EXS	AS-XGS	GR-AT-R	GR-AT-5S	GR-AT-6S
Melt Mass Flow Rate	ISO 1133 JIS K 7210	200°C, 49N	g/10min	3		2	1	2	2	1	8	6
		220°C, 98N		28		26	12	27	24	12	80	58
Tensile Modulus	ISO 527-1, -2 JIS K 7161,7162	1mm/min	MPa	3,600		3,640	3,650	3,600	3,580	3,650	3,520	3,570
Tensile Stress at Break		50mm/min	MPa	<5		<5	<5	<5	<5	<5	<5	<5
Nominal Strain at Break			%	64		69	76	70	71	76	62	64
Flexural Modulus	ISO 178 JIS K 7171	2mm/min	MPa	3,560		3,520	3,610	3,540	3,580	3,610	3,490	3,540
Flexural Strength			MPa	120		123	129	125	127	129	117	127
Charpy Impact Strength	ISO 179 JIS K 7111	23°C, Noched	kJ/m2	2		2	2	2	2	2	2	2
		23°C, Without Noche	kJ/m2	11		14	17	14	15	17	12	15
Heat Deflection Temp (Under load)	ISO 75-1, -2 JIS K 7191-1,-2	1.8MPa Flatwise	°C	84		86	89	86	87	89	85	87
Vicat Softening Temp	ISO 306 JIS K 7206	50N	°C	103		107	110	107	108	110	106	108
Rockwell Hardness	ISO 2039-2 JIS K 7202	23°C, M-scale	-	83		88	88	89	89	88	88	90
Density	ISO 1183 JIS K 7112	23°C	g/cm3	1.07		1.07	1.08	1.07	1.07	1.08	1.07	1.08
Transparency	ASTM D-1003	2mmt	%	89	90	89	90	90	90	90	90	90
Haze	ASTM D-1003	2mmt	%	0.2		0.2	0.2	0.2	0.2	0.2	0.2	0.2
UL Flame Rating	UL94 (File No.E49895)	Class (mm)	HB 1.5	-	-	-	-	HB 1.5	HB 1.5	HB 1.5	HB 1.5	HB 1.5
FDA 21CFR 181.32					✓							

※Values are typical and not guaranteed.

DENKA CO., LTD.