ALFA-FILAMENT - пластик для 3D печати, технические характеристики.

ALFA-FILAMENT - plastics for 3D printing, technical characteristic.

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PROPERTIES	TEST METHODS	TEST CONDITION	UNITS	TYPICAL VALUES				
				ABS	HIPS	SAN	SBC	
Symbol	1043	-	-	>ABS<	>PS-HI<	>SAN<	>SBC<	
Mass Density	ISO 1183	23 °C	g/cm^3	1.04	1.05	1.06	1.01	
Tensile Strength	ISO 527	50 mm/min, yield	MPa	47	25	74	27	
		50 mm/min, break	MPa	35	24	74	19	
Tensile Elongation	ISO 527	50 mm/min	%	25	60	7	2	
Flexural Strenght	ISO 178	2 mm/min	Mpa	70	34	105	36	
Flexural Modulus	ISO 178	2 mm/min	MPa	2200	1400	3300	1400	
Izod Impact Strenght	ISO 180/1A	23 °C Notched	KJ/m^2	22	13	3	2.3	
		-30 °C Notched	KJ/m^2	8	8	-	-	
Charpy Impact Strenght	ISO 179	23 °C Notched	KJ/m^2	26	14	2	2.8	
		-30 °C Notched	KJ/m^2	9	9	-	-	
Vicat Softening Temp.	ISO 306	1 Kg, 50 °C/hr	°C	99	100	105	93	
		5 Kg, 50 °C/hr	°C	-	89	104	70	
Heat Distortion Temp.	ISO 75/A	1.8 MPa, unan.	°C	81	77	90	71	
Shrinkage	ISO 294	-	%	0.4-0.7	0.4-0.7	0.2-0.7	0.5-1.2	