

GPPS 525N DATA SHEET

PROPERTY			UNIT	TESTING METHOD	GPS-525HF	GPS-500	GPS-525N	GPPS			
					GPS-525	GPS-550N	GPS-550	GPS-550P			
PHYSICAL PROPERTIES	SPECIFIC GRAVITY		23/23°C	ASTM D 792	1.04	1.05	1.05	1.05	1.05	1.05	
	MELT FLOW RATE		g/10min	ASTM D 1238	17.0	12.0	7.5	7.0	4.5	3.0	2.5
MECHANICAL PROPERTIES	TENSILE PROPERTIES	TENSILE STRENGTH	kg/cm²	ASTM D 638	350	380	400	420	450	480	480
		ELONGATION	%		3.0	3	3	3	4	4	4
		FLEXURAL STRENGTH	kg/cm²	ASTM D 790	500	570	680	700	800	840	880
		FLEXURAL MODULUS	kg/cm²		26000	28000	30000	30000	31000	32000	32000
	IZOD IMPACT STRENGTH		kg.cm/cm	ASTM D 256	1.3	1.4	1.6	1.6	1.8	2.0	2.0
	ROCKWELL HARDNESS		M/L SCALE	ASTM D 785	M-60	M-60	M-65	M-65	M-65	M-65	M-65
THERMAL PROPERTIES	ANNEALED H.D.T.		°C	ASTM D 648	75	82	87	89	93	95	95
	VICAT SOFTING TEMP.		°C	ASTM D 1525	88	92	97	99	103	105	105
OPTICAL PROPERTIES	GLOSSINESS 60°		GU	ASTM D523	--	--	--	--	--	--	--
FLAME RETARDANCE				UL94	HB (1/8")	HB (1/8")	HB (1/8")	HB (1/8")	HB (1/8")	HB (1/8")	HB (1/8")
NOTES					High Flow	High Flow	Natural Color		CD-P	Injection	Extrusion