

Technical Data Sheets of General Purpose ABS Natural

PROPERTIES	UNIT	TEST METHOD ASTM Standard	SAMSUNG SD-0150 NP	BAYER 920	IRPC GA 850	LG HI 121H	Bhansali MIF 45
------------	------	------------------------------	-----------------------	--------------	----------------	---------------	--------------------

PHYSICAL PROPERTY

SPECIFIC GRAVITY	-	D-792	1.04	1.04	1.04	1.04	1.04
MOULD SHRINKAGE	%	D-955	0.3-0.6	0.3-0.5	-	0.4-0.7	-
MELT FLOW INDEX	220 C/10 kg	D-1238	18	35	20	36	43

MECHANICAL PROPERTY

TENSILE STRENGTH YIELD	kg/cm ²	D-638	480	475	530	520	460
FLEXURAL MODULUS	kg/cm ²	D-790	22000	23500	24000	22600	22500
FLEXURAL STRENGTH	kg/cm ²	D-790	680	675	720	800	650
ROCKWELL HARDNESS		R-SCALE	105	107	118	110	110
IZOD IMPACT STRENGTH(NOTCHED)	1.8 mm - Kg.Cm/Cm	D-256	30	19	27	23	25

THERMAL PROPERTY

HDT@ 1.8Mpa	⁰ C	D-648	87	93	96	90	90
VICAT SOFTENING TEMPRATURE	-	D-785	98	98	-	94	-

FLAMMABILITY

UL 94 CLASSIFICATION	-	UL94	1.5 HB	HB	1.5 HB	HB	HB
----------------------	---	------	--------	----	--------	----	----