Tisan
Plastics Engineer

TECHNICAL DATA SHEET

TİSBLEND®

PRODUCT CODE	**TİSBLEND HI UNR F02 Y01 R01**
PRODUCT DESCRIPTION	**PC/ABS, UNREINFORCED, FLAME RETARDANT-HALOGEN FREE, NATURAL**

	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
PHYSICAL	DENSITY	-	ISO 1183	g/cm^3	**1.19-1.21**
	MOLDING SHRINKAGE	PARALLEL	ISO 294-4	%	**-**
	MOISTURE CONTENT	-	ISO 15512	%	**0.2**

	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
MECHANICAL	YIELD STRENGTH	+23°C	ISO 527-2	MPa	**-**
	TENSILE STRESS AT BREAK	+23°C	ISO 527-2	MPa	**50-60**
	TENSILE STRAIN AT BREAK	+23°C	ISO 527-2	%	**>35**
	TENSILE MODULUS	+23°C	ISO 527-2	MPa	**2000-3000**
	IZOD IMPACT STRENGTH, NOTCHED	+23°C	ISO 180/A	kJ/m^2	**>35**

	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
THERMAL	VICAT SOFTENING TEMPERATURE	50 N	ISO 306	°C	**-**
	HEAT DEFLECTION TEMPERATURE	0,45 MPa	ISO 75	°C	**-**
	HEAT DEFLECTION TEMPERATURE	1,80 MPa	ISO 75	°C	**100**
	MELTING TEMPERATURE	10 K/min	ISO 11357	°C	**-**
	BALL PRESSURE TEST	-	ISO 60695-10-2	-	**-**

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	PROPERTIES	CONDITION	STANDARD	UNITS	VALUE
ELECTRICAL&FLAMMABILITY	FLAME RATING	0,75 mm	UL 94	-	**V0**
	FLAME RATING	1,6 mm	UL 94	-	**V0**
	GLOW WIRE FLAMMABILITY INDEX	2 mm	IEC 60695	°C	**960**
	GLOW WIRE IGNITABILITY TEMPERATURE	2 mm	IEC 60695	°C	**-**
	COMPARATIVE TRACKING INDEX	Solution A	ISO 60112	Volt	**-**
	VOLUME RESISTIVITY	-	IEC 60093	Ohm.cm	**1E+16**
	SURFACE RESISTIVITY	-	IEC 60093	Ohm	**1E+14**

	PROPERTIES	UNITS	VALUE
INJECTION PROCESS	PREDRYING TEMPERATURE	°C	**90-100**
	PREDRYING TIME	hours	**2-4**
	MELTING TEMPERATURE	°C	**255-270**
	NOZZLE TEMPERATURE	°C	**250-265**
	PRE- 3 REGION TEMPERATURE	°C	**250-270**
	MID-2 REGION TEMPERATURE	°C	**240-265**
	AFT-1 REGION TEMPERATURE	°C	**230-250**
	MOLD TEMPERATURE	°C	**60-80**

Data are based on dry conditions