

TECHNICAL SPECIFICATION SHEET

POLYESTER FILM

ITEM: BOPET FILM 6021, MILKY WHITE, 350 MICRONS

PROPERTIES		UNIT	REMARK	TESTING RESULT	STANDARD
APPEARANCE		/		QUALIFIED	GB/T13541.2-2009
STANDARD THICKNESS		MIC		350	GB/T13541.2-2009
THICKNESS TOLERANCE		%		±2	±4
ANTI-TENSILE STRENGTH	MD	MPA		174	≥110
	TD			177	≥110
TENSILE STRENGTH IN MACHINE	MD	%		178	≥80
	TD			145	≥80
ELONGATION IN MACHINE	MD	%	150°C 30MIN	0.97	≤2.0
	TD			0.39	≤2.0
ELECTRIC STRENGTH		V/UM	ELECTRODE 6MM; IN VARYING VOLTAGE GAS-OIL	52	≥50
SURFACE RESISTIVITY		Ω		1.7X10 ¹⁴	≥10 ¹⁴
VOLUME RESISTIVITY		Ω.M		2.30X10 ¹⁵	≥10 ¹⁴
DENSITY		G/CM ³		1400	1400±10
MELTING POINT		°C		261	≥256

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ITEM: BOPET FILM 6020, CLEAR, 250 MICRONS

PROPERTIES		UNIT	REMARK	TESTING RESULT	STANDARD
APPEARANCE		/		QUALIFIED	GB/T13541.2-2004
STANDARD THICKNESS		MIC		250	GB/T13541.2-2004
THICKNESS TOLERANCE		%		±2	±4
ANTI-TENSILE STRENGTH	MD	MPA		177	≥140
	TD			208	≥140
TENSILE STRENGTH IN MACHINE	MD	%		167	≥80
	TD			117	≥80
ELONGATION IN MACHINE	MD	%	150°C 30MIN	1.0	≤2.0
	TD			0.6	≤2.0
ELECTRIC STRENGTH		V/UM	ELECTRODE 6MM; IN VARYING VOLTAGE GAS-OIL	60	≥60
SURFACE RESISTIVITY		Ω		8.19X10 ¹⁴	≥10 ¹⁴
VOLUME RESISTIVITY		Ω.M		1.07X10 ¹⁵	≥10 ¹⁴
DENSITY		G/CM ³		1395	1390±10
MELTING POINT		°C		261	≥256

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ITEM: BOPET FILM 6020, CLEAR, 300 MICRONS

PROPERTIES	TEST METHOD	UNIT	VALUES
THICKNESS	ASTM D34	MICRON	300
YIELD	JPFTM	M2/KG	2.9
HAZE(MAX)	ASTM D1003	%	90
TOTAL LUMINOUS TRANSMISSION	ASTM D1003	%	67
CO-EFFICIENT OF FRICTION(MAX)	ASTM D1894	STATIC	0.35
TENSILE STRENGTH(MIN)	ASTN D882	KG/M2 MD	1600
		KG/M2 TD	1600
ELONGATION(MIN)	ASTM D882	% MD	140
		% TD	120
SHRINKAGE(MAX) AT 150°C/30MIN	ASTM D1204	% MD	2.5
		% TD	1.5