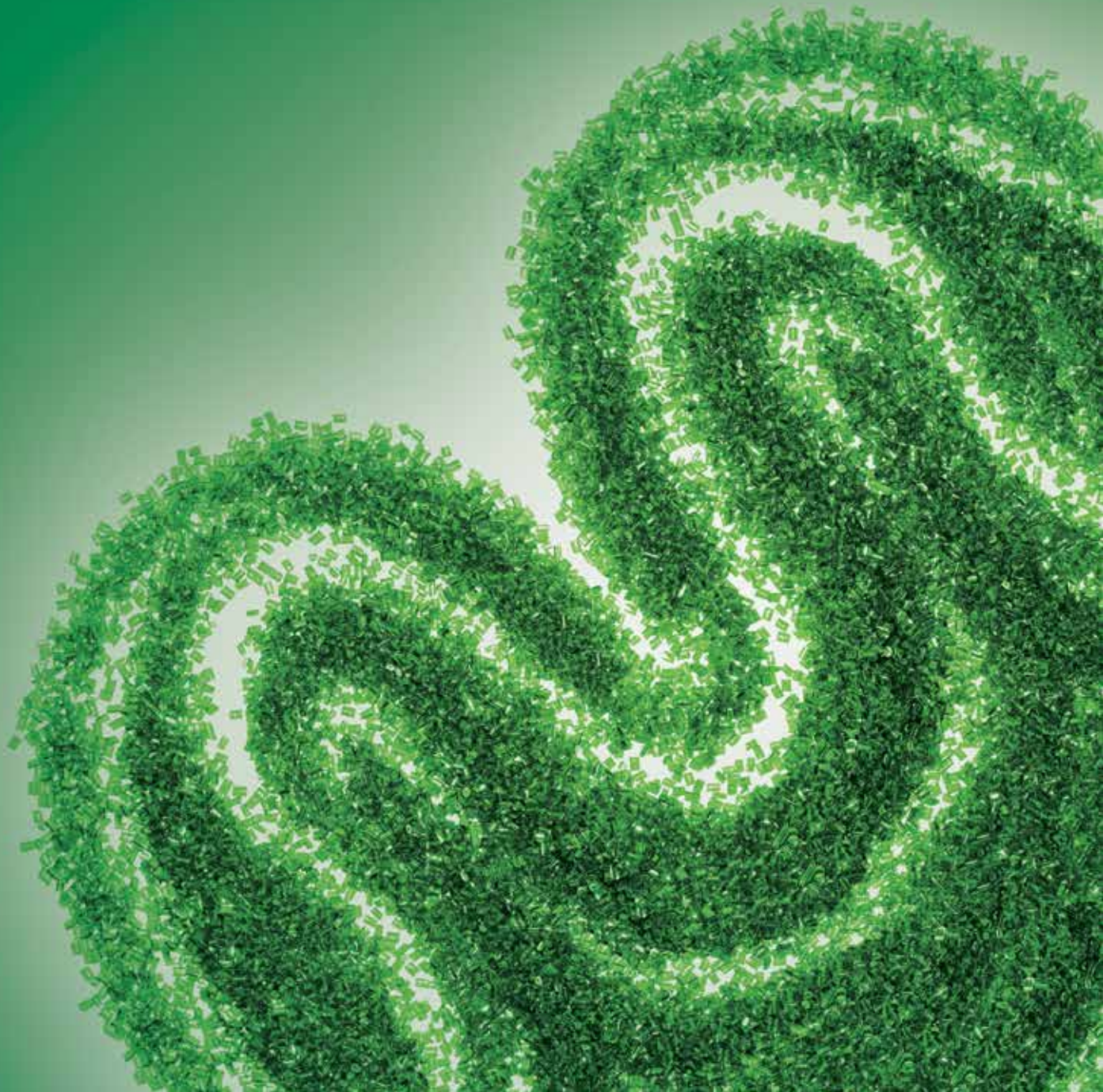

ITI POLAND

Polymers & Compounds

ABS

	PROPERTY	UNIT	STANDARD		MEPLAC ES 200	MEPLAC ES F17
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792	ISO 1183	1,04	1,18
	MFI	g/10 min	ASTM D 1238	ISO 1133	23	8
	MFI condition	°C/kg	ASTM D 1238	ISO 1133	220/10	220/10
	Shore	-	ASTM D 2240	ISO 868	-	-
	Shore condition	A/D	ASTM D 2240	ISO 868	-	-
	Water absorption (24h/23°C)	%	ASTM D 570	ISO 62	0,3	0,2
	Water absorption (saturation)	%	ASTM D 570	ISO 62	-	-
	Filler content	%	ASTM D 2584	ISO 3451	-	17
	Mould Shrinkage (parallel)	%	ASTM D 955	ISO 294-4	0,4/0,6	0,2/0,3
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256	ISO 180/1A	170	65
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256	ISO 180/1A	100	40
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638	ISO 527-2	45	-
	Tensile yield strain - dry/cond	%	ASTM D 638	ISO 527-2	-	-
	Tensile break strenght - dry/cond	N/mm2	ASTM D 638	ISO 527-2	-	75
	Elongation at break - dry/cond	%	ASTM D 638	ISO 527-2	20	2
	Tensile modulus - dry/cond	N/mm2	ASTM D 638	ISO 527-2	-	5600
	Flexural modulus - dry/cond	N/mm2	ASTM D 790	ISO 178	2350	5200
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648	ISO 75-2	-	-
	HDT (1820 Mpa)	°C	ASTM D 648	ISO 75-2	96	-
	VICAT (10 N)	°C	ASTM D 1525	ISO 306	99	110
	VICAT (50 N)	°C	ASTM D 1525	ISO 306	96	103
	Melting temperature (DSC)	°C	ASTM D 3418	ISO 3146	-	-
FR	Flame behaviour	-	UL94		-	-

> MEPLAC ES 200
ABS injection moulding grade. High flow, high impact, good gloss. Natural, all colours.

> MEPLAC ES F17
ABS injection moulding grade 17% glass fibres reinforced. Natural, all colours.

compound