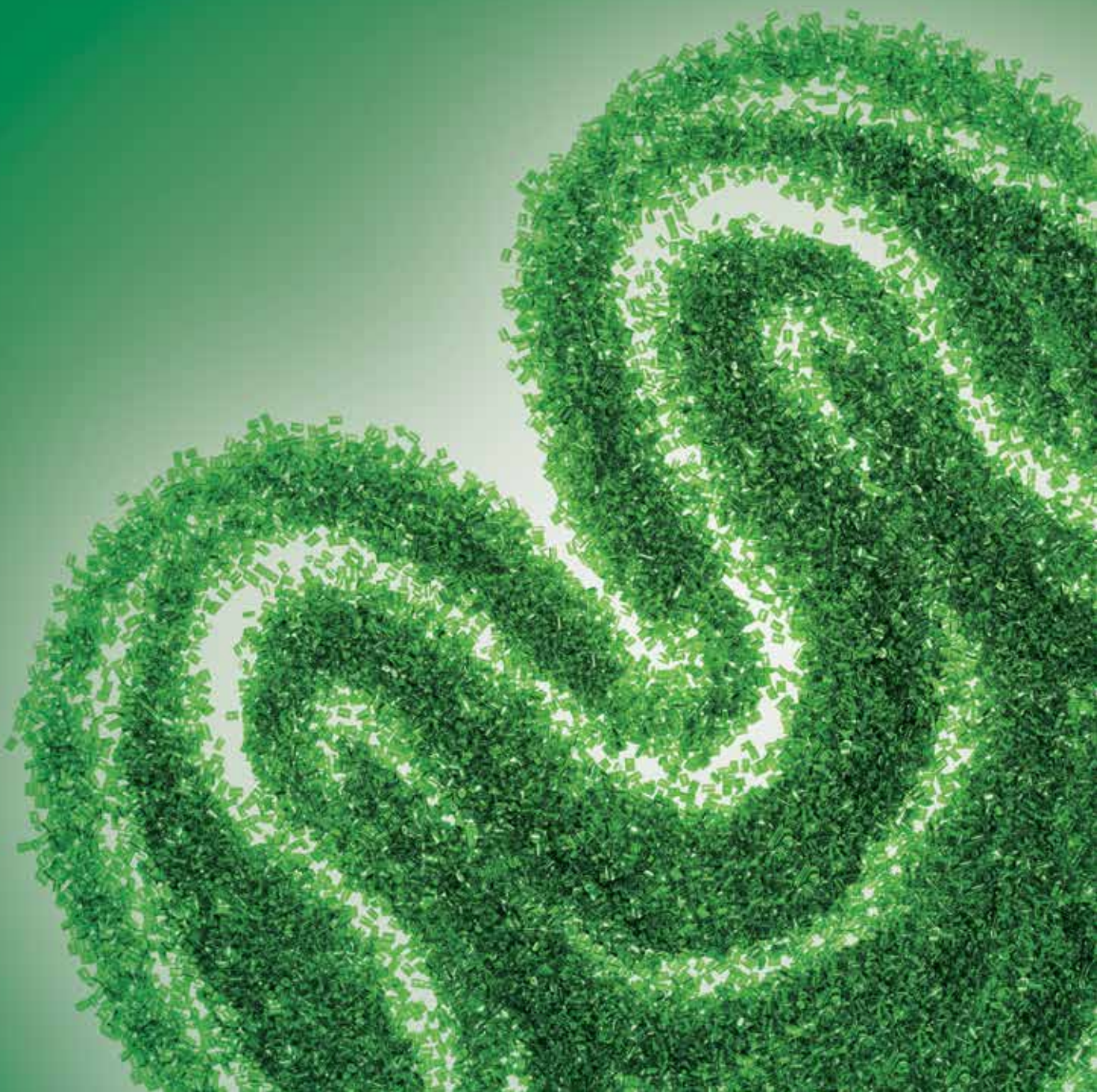


ITI POLAND
Polymers & Compounds



PROPERTY	UNIT	STANDARD	ECO MEPLAC IS 110 BK	ECO MEPLAC IS 140 BK	ECO MEPLAC IS 200 BK	
PHYSICAL	Density (23°C)	g/cm3	ASTM D 792 ISO 1183	1,05	1,04	1,05
	MFI	g/10 min	ASTM D 1238 ISO 1133	10	12	15
	MFI condition	°C/kg	ASTM D 1238 ISO 1133	220/10	220/10	220/10
	Shore	-	ASTM D 2240 ISO 868	75	75	75
	Shore condition	A/D	ASTM D 2240 ISO 868	D	D	D
	Water absorption (24h/23°C)	%	ASTM D 570 ISO 62	-	-	-
	Water absorption (saturation)	%	ASTM D 570 ISO 62	-	-	-
	Filler content	%	ASTM D 2584 ISO 3451	-	-	-
	Mould Shrinkage (parallel)	%	ASTM D 955 ISO 294-4	0,5/0,7	0,5/0,7	0,5/0,7
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	120	140	200
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256 ISO 180/1A	-	-	100
	Tensile yield strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-
	Tensile yield strain - dry/cond	%	ASTM D 638 ISO 527-2	35	40	45
	Tensile break strenght - dry/cond	N/mm2	ASTM D 638 ISO 527-2	-	-	-
	Elongation at break - dry/cond	%	ASTM D 638 ISO 527-2	10	20	30
	Tensile modulus - dry/cond	N/mm2	ASTM D 638 ISO 527-2	2500	2400	2100
	Flexural modulus - dry/cond	N/mm2	ASTM D 790 ISO 178	2200	2100	1900
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648 ISO 75-2	-	-	-
	HDT (1820 Mpa)	°C	ASTM D 648 ISO 75-2	85	84	82
	VICAT (10 N)	°C	ASTM D 1525 ISO 306	100	100	-
	VICAT (50 N)	°C	ASTM D 1525 ISO 306	92	92	90
	Melting temperature (DSC)	°C	ASTM D 3418 ISO 3146	-	-	-
FR	Flame behaviour	-	UL94	-	-	

> ECO MEPLAC IS 110 BK
 ABS standard for injection moulding.
 General porpouse. Black, grey. L: UV
 stabilized, AS: antistatic.

> ECO MEPLAC IS 140 BK
 ABS standard for injection moulding.
 Medium impact. General porpouse.
 Black, grey. L: UV stabilized, AS:
 antistatic.

> ECO MEPLAC IS 200 BK
 ABS standard for injection moulding.
 High impact. General porpouse. Black,
 grey. L: UV stabilized, AS: antistatic.



ECO compounds are made utilizing 30% of recycled polymers at least. These products are certified by CSI CERT and branded with "CSI Recycled plastic"

