

ECO MEPLEN IC F30

POLYPROPYLENE

Polypropylene copolymer, glass fibre reinforced 30% chemical coupled.

Good mechanical properties.

Available:

Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.

	PROPERTY	UNIT	STANDARD		VALUE
PHYSICAL	Density (23°C)	g/cm ³	ASTM D 792	ISO 1183	1,12
	MFI	g/10 min	ASTM D 1238	ISO 1133	9
	MFI condition	°C/kg	ASTM D 1238	ISO 1133	230/2,16
	Shore	-	ASTM D 2240	ISO 868	76
	Shore condition	A/D	ASTM D 2240	ISO 868	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	30
	Mould Shrinkage (parallel)	%	ASTM D 955	ISO 294-4	0,1/0,4
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256	ISO 180/1A	85
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256	ISO 180/1A	-
	Tensile yield strenght - dry/cond	N/mm ²	ASTM D 638	ISO 527-2	70
	Tensile yield strain - dry/cond	%	ASTM D 638	ISO 527-2	-
	Tensile break strenght - dry/cond	N/mm ²	ASTM D 638	ISO 527-2	-
	Elongation at break - dry/cond	%	ASTM D 638	ISO 527-2	10
	Tensile modulus - dry/cond	N/mm ²	ASTM D 638	ISO 527-2	5200
	Flexural modulus - dry/cond	N/mm ²	ASTM D 790	ISO 178	4200
THERMAL	HDT (0,455 Mpa)	°C	ASTM D 648	ISO 75-2	150
	HDT (1820 Mpa)	°C	ASTM D 648	ISO 75-2	130
	VICAT (10 N)	°C	ASTM D 1525	ISO 306	142
	VICAT (50 N)	°C	ASTM D 1525	ISO 306	120
	Melting temperature (DSC)	°C	ASTM D 3418	ISO 3146	165
FR	Flame behaviour	-	UL94		-



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

The above values are provided for general information only. The data contained in this document is based on trials carried out by our laboratory. It shall, however, in no event be held to constitute or imply any warranty, undertaking express or implied commitment from our part.