

# ECO MEPLEN IH C40

## POLYPROPYLENE

Polypropylene homopolymer, calcium carbonate 40%, easy moulding.

### Available:

Natural, all colours. H: heat stabilized, L: UV stabilized, AS: antistatic.

	PROPERTY	UNIT	STANDARD		VALUE
PHYSICAL	Density (23°C)	g/cm <sup>3</sup>	ASTM D 792	ISO 1183	1,23
	MFI	g/10 min	ASTM D 1238	ISO 1133	10
	MFI condition	°C/kg	ASTM D 1238	ISO 1133	230/2,16
	Shore	-	ASTM D 2240	ISO 868	72
	Shore condition	A/D	ASTM D 2240	ISO 868	D
	Water absorption (24h/23°C)	%	ASTM D 570	ISO 62	0,02
	Water absorption (saturation)	%	ASTM D 570	ISO 62	-
	Filler content	%	ASTM D 2584	ISO 3451	40
MECHANICAL	Mould Shrinkage (parallel)	%	ASTM D 955	ISO 294-4	1,1/1,5
	Izod impact (notch / 23°C) - dry/cond	J/m	ASTM D 256	ISO 180/1A	30
	Izod impact (notch / 0°C) - dry/cond	J/m	ASTM D 256	ISO 180/1A	-
	Tensile yield strenght - dry/cond	N/mm <sup>2</sup>	ASTM D 638	ISO 527-2	20
	Tensile yield strain - dry/cond	%	ASTM D 638	ISO 527-2	-
	Tensile break strenght - dry/cond	N/mm <sup>2</sup>	ASTM D 638	ISO 527-2	-
	Elongation at break - dry/cond	%	ASTM D 638	ISO 527-2	20
	Tensile modulus - dry/cond	N/mm <sup>2</sup>	ASTM D 638	ISO 527-2	2800
THERMAL	Flexural modulus - dry/cond	N/mm <sup>2</sup>	ASTM D 790	ISO 178	2700
	HDT (0,455 Mpa)	°C	ASTM D 648	ISO 75-2	115
	HDT (1820 Mpa)	°C	ASTM D 648	ISO 75-2	61
	VICAT (10 N)	°C	ASTM D 1525	ISO 306	150
	VICAT (50 N)	°C	ASTM D 1525	ISO 306	95
FR	Melting temperature (DSC)	°C	ASTM D 3418	ISO 3146	165
	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.