

## ECO STARO HDPE SHEETS MONOCOLOUR AND BICOLOUR

### TECHNICAL DATASHEET

PROPERTIES	TEST METHOD	UNIT	VALUE
<b>MECHANICAL</b>			
Density	ISO 1183	g/cm <sup>3</sup>	0,980
MFR (230°C, 2,16 kg)	ISO 1133 -1	g/10 min	0,3
Yield Stress	ISO 527-1,-2	Mpa	27
Flexural Modulus	ISO 178	Mpa	1400
Charpy Notched Impact Strenght at 23 °C	ISO 179-1	kJ/m <sup>2</sup>	12
Hardness Shore D	ISO 868	Kg/m <sup>3</sup>	63
<b>THERMAL</b>			
Vicat Softening Temperature (VST)	ISO 306	°C	127
Melting Temperature	ISO 11357-1,3	°C	134
<b>COLOUR</b>			
Light fastness	DIN 53387	1-8	8
Temperature fastness	DIN 53772	°C	300
Weather fastness	DIN 53231	1-7	5
<b>GENERAL</b>			
UV resistance (230 kly)	ISO 4892-2	h	>3000
Compliance with Toys production norms	EN 71.3		OK
Compliance with polycyclic aromatic hydrocarbons (PAH) test requirements	AfPS GS 2019:01 PAK		OK
Compliance with flame retardants test requirements	DIN EN ISO 17881-1/-2		OK

**Note:** All the data showed in this table are only informational, the company does not tak any responsibility and reserves the right to change these data at any time.

Brno, 01/03/2022