

PLAY STARO HDPE SHEETS MONOCOLOUR AND BICOLOUR

TECHNICAL DATASHEET

PROPERTIES	TEST METHOD	UNIT	VALUE
MECHANICAL			
Density	ISO 1183	g/cm ³	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 ²	12
Hardeness Shore D	ISO 868	Kg/m ³	63
THERMAL			
Vicat Softening Temperature (VST)	ISO 306	°C	127
Melting Temperature	ISO 11357-1,3	°C	134
COLOUR			
Light fastness	DIN 53387	1-8	8
Temperature fastness	DIN 53772	°C	300
Weather fastness	DIN 53231	1-7	5
GENERAL			
UV resistance (230 kly)	ISO 4892-2	h	>3000
Food Contact			OK
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 take any responsibility and reserves the right to change these data at any time.

Flammability according to EN 13501-1: Class F

Brno, 01/04/2026