

## POLYTRACK

El POLYTRACK is a recycled and pressed polyethylene with high molecular weight. The surface has a non slip pattern, intended for the temporary protection of soils.

Continuing with the commitment of our environmental responsibility, this product obtained of 100% of our manufacturing surplus.

PROPERTIES*	UNITS	TEST METHODS	VALUES
<b>Properties</b>			
Density	g/cm <sup>3</sup>	ASTM D5105	0.93 / 0.955
Absorption of moisture until saturation in water at 23°C%		%	0.01
Physiologically acceptable	-	-	YES
Welding	-	-	YES
Hot Forming	-	-	YES
<b>Mechanical properties</b>			
Yield stress	N/mm <sup>2</sup>	DIN ISO 527	26-28
Tensile strength at break	%	DIN ISO 527	300
Elongation at máximun Stress	%	-	8
Elasticity Modulus	Mpa	DIN ISO 527	685 - 752
Charpy Impact	KJ/mm <sup>2</sup>	DIN ISO 179	Withouth break
Notched impact strength	KJ/mm <sup>2</sup>	DIN ISO 179	50
Hardness surface	N/mm <sup>2</sup>	DIN ISO 2039-1	45
Shore hardness D (15s)	-	ISO 868	66
Dynamic coeficient of friction	-	-	0.15 / 0.25

Note: 1g/cm<sup>3</sup> = 1,000 kg/m<sup>3</sup>; 1Mpa= 1N/mm<sup>2</sup> ; 1kV/mm = 1MV/m

\* These data are very useful for the choice of material. The data listed here are indicative values and should not be used to establish specification limits of the material. From these values may not be deducted a legally binding of security of certain properties or the suitability for a particular application.

Thermal properties			
Thermal conductivity at 23°C	W/(K.m)	-	0.38
Average coefficient of linear thermal expansion	K <sup>-1</sup>	DIN 53752	1.8·10 <sup>-4</sup>
Service temperature	°C	-	-100/+80
Flame resistance	-	DIN 4102 B2	Normal flammable
Electrical properties			
Electrical strength	kV/mm	VDE 0303-21	46
Surface Resistance	Ω	DIN IEC 167	10 <sup>14</sup>

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