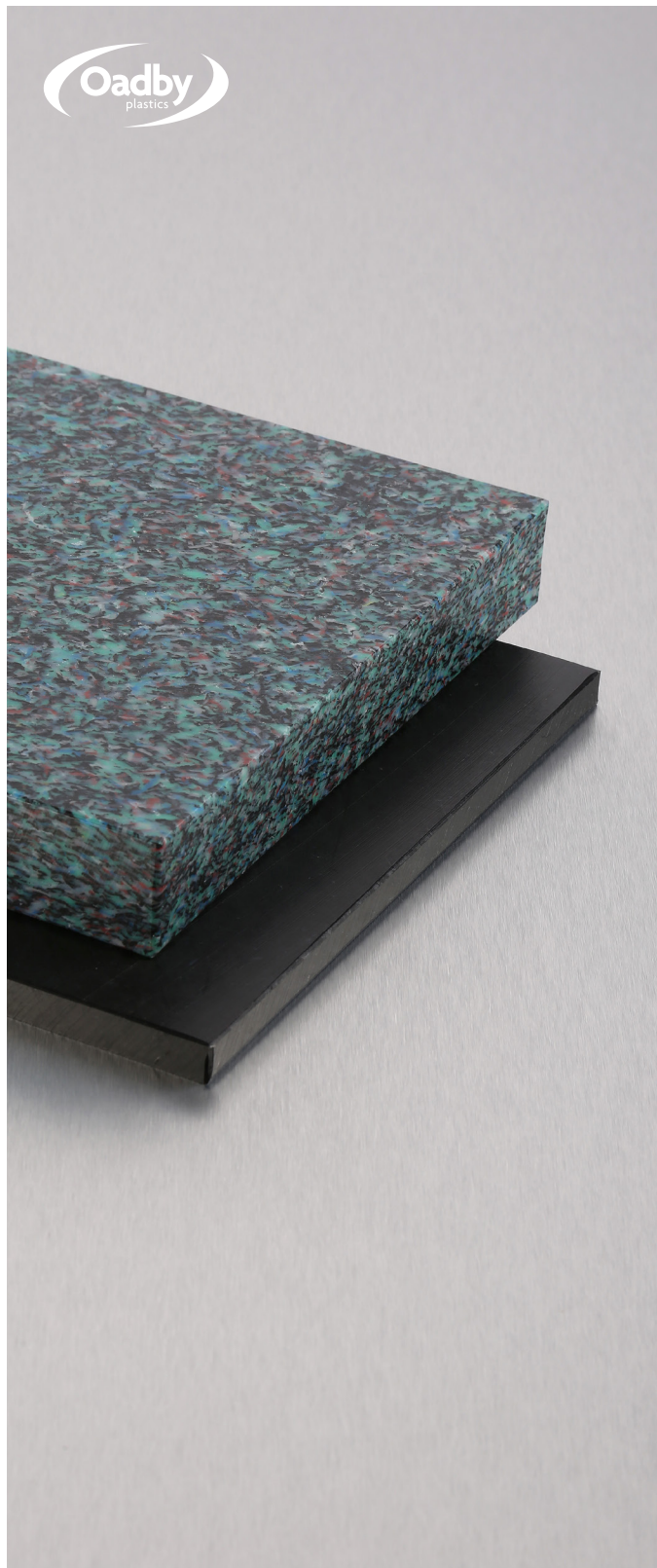
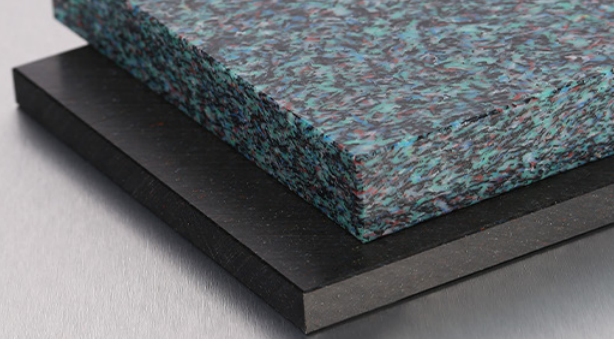


PE 500 Confetti

Material Information



PE 500 Confetti

Product full identity:

Polyethylene - Reprocessed High Molecular Weight (Sustainable)

PE 500 Confetti is a cost-effective alternative to virgin grades for less critical applications, offering durability and resistance to decay and corrosion. Its multi-coloured design makes it ideal for general packaging, bulk handling, impact rails, and other low-cost applications.

Properties

- Low cost
- High impact strength
- Wide temperature range (+80 to -50°C)
- Low coefficient of friction
- Very low moisture absorption <0.1%

Applications

- General packaging
- Bulk handling
- Impact rails
- Many low cost applications

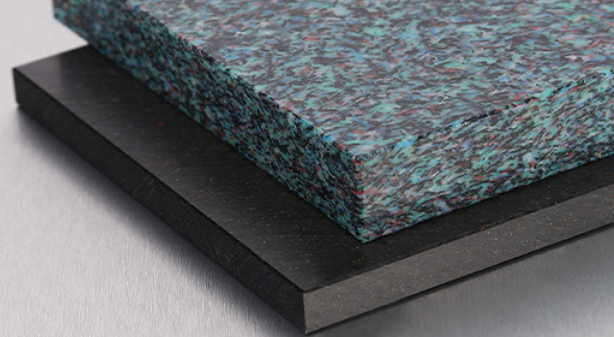
Forms



Sheet

PE 500 Confetti

Technical Properties



Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	DIN EN ISO-1	0.94
Water absorption until saturation at 23°C	%	DIN EN ISO 62	<0.01
Maximum service temp. Upper temp limit – short term	°C	-	100
Maximum service temp. Upper temp limit – long term	°C	-	80
Lower temp limit	°C	-	-100
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	-	-
Elongation at yield	%	-	-
Tensile strength at break	MPa	-	-
Unnotched impact strength	kJ/m ²	DIN EN ISO 179-1/2	>50
Notch impact strength	kJ/m ²	-	-
Ball indentation / Rockwell hardness	MPa	-	-
Shore-D		DIN EN ISO 868	60 - 65
Flexural modulus of elasticity	MPa	-	-
Tensile modulus of elasticity	MPa	-	-
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	-	-
Heat deflection temperature HDT/B	°C	-	-
Coefficient of linear thermal expansion 23 – 100°C	m/(m.K)	ISO 11359-2	20 x 10 ⁻⁵
Thermal conductivity at 23°C	W/mK	-	0.40
Electrical	Unit	Test Method	Result
Volume resistivity	Ω x m	-	-
Surface resistivity	Ω	DIN EN 62631-3-1	>10 ¹⁰
Insulation resistivity	Ω . cm	DIN EN 62631-3-1	>10 ¹⁰
Dielectric constant at 1MHz		-	-
Dielectric loss factor at 1MHz		-	-
Dielectric strength	kV/mm	-	-
Comparative tracking index (CTI)		-	-
Additional Data	Unit	Test Method	Result
Bondability		-	-
Food compliance – FDA		FDA	No
Food compliance – EU		EU 10/2011	No
Antistatic		-	-
Flammability	Unit	Test Method	Result
Fire performance		UL 94	HB
Optical	Unit	Test Method	Result
N/A	N/A	N/A	N/A

All information provided in this Product Datasheet is for guide purposes only. The data has been taken from standard test results provided by our manufacturers.