KEDEL

ECO-FRIENDLY PLASTIC PRODUCTS

Recycled Mixed Plastic specification Kedel Ductile

Specification		
Description	Manufactured from 100% high quality recycled mixed plastic waste, from post industrial and consumer use, and contains non toxic selected process additives providing colour and rigidity. Products of **Kedel** ductile have high impact resistance. The textured surface of these products gives an attractive finish.	
Production Process	The polymer is blended and fed under high temperatures and pressures into moulds.	
Finish	The surface is evenly coloured and has a textured appearance.	
Properties	✦ Maintenance free ✦ Durable ✦ UV resistant ✦ Splinter free ✦ Frost proof ✦ Impervious to fungi and insects ✦ Does not leach toxic substances	✦ Wear resistant ✦ Acoustic sound proofing ✦ Resistant to most chemicals ✦ Will not rot ✦ Environmentally friendly ✦ Insulating ✦ 100% recycled and recyclable ✦ Shock resistant and flexible
Performance	**Properties**	**Example Values**
All figures quoted are typical values and for guidance only	Density (ISO 1183-1)	1,0062 g/cm^3
	Thermal expansion coefficient	0.00018993 mm/m/˚C
	Moisture absorption (ISO 62)	<1 wt%
	Tensile modulus (ISO 527-2)	659 MPa
	Tensile strength (ISO 527-2)	9.65 MPA
	Flexural modulus (ISO 178)	581 MPa
	Flexural strength (ISO 178)	20 MPa
	Impact resistance - Charpy test - (ISO 179)	412 KJ/m^2
Chemical Stability	Resistant to most common chemicals - contact us for specific info	
Typical Uses	**Kedel** ductile is used for the production of bench slats, decking boards, board profiles, fence panels, sandboxes and outdoor furniture.	

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