

Specification		
<b>Description</b>	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 <b>Kedel</b> ductile have high impact resistance. The textured surface of these products gives an attractive finish.	
<b>Production Process</b>	The polymer is blended and fed under high temperatures and pressures into moulds.	
<b>Finish</b>	The surface is evenly coloured and has a textured appearance.	
<b>Properties</b>	<ul style="list-style-type: none"> <li>◆ Maintenance free</li> <li>◆ Durable</li> <li>◆ UV resistant</li> <li>◆ Splinter free</li> <li>◆ Frost proof</li> <li>◆ Impervious to fungi and insects</li> <li>◆ Does not leach toxic substances</li> </ul>	<ul style="list-style-type: none"> <li>◆ Wear resistant</li> <li>◆ Acoustic sound proofing</li> <li>◆ Resistant to most chemicals</li> <li>◆ Will not rot</li> <li>◆ Environmentally friendly</li> <li>◆ Insulating</li> <li>◆ 100% recycled and recyclable</li> <li>◆ Shock resistant and flexible</li> </ul>
Performance	Properties	Example Values
<b>All figures quoted are typical values and for guidance only</b>	Density (ISO 1183-1)	1,0062 g/cm <sup>3</sup>
	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 <sup>2</sup>
<b>Chemical Stability</b>	Resistant to most common chemicals - contact us for specific info	
<b>Typical Uses</b>	<b>Kedel</b> ductile is used for the production of bench slats, decking boards, board profiles, fence panels, sandboxes and outdoor furniture.	