

## Data sheet for Plastica underground ductwork systems

Construction specification	
Construction standard	BESA 154, enhanced to meet project objectives
Jointing system	Full face flanges
Nominal wall thickness 6mm	
Flange thickness 12mm	
All ductwork will be a fully welded construction	

Material of construction: Polypropylene		
Density, g/cm <sup>3</sup>	DIN EN ISO 1183	0.910
Elongation @yield %	DIN EN ISO 527	8
Impact strength kJ/m <sup>2</sup>	DIN EN ISO 179	without break
Notched impact strength kJ/m <sup>2</sup>	DIN EN ISO 179-1eA	15
Shore hardness	DIN EN ISO 868	72
Mean coefficient of linear expansion	ISO 11359-2	1.6 x 10 <sup>-4</sup>
Temperature range 0c	-----	0 +100
Fire behaviour flammability	DIN 4102	DIN 4102 B2 normal
Food compliance	EU 10/2011	Yes
Food compliance	FDA	Yes
Corrosion resistance	-----	High chemical resistance including acids, alkaline and solvents
Water absorption		Exceptionally low

