



Plenum Boxes

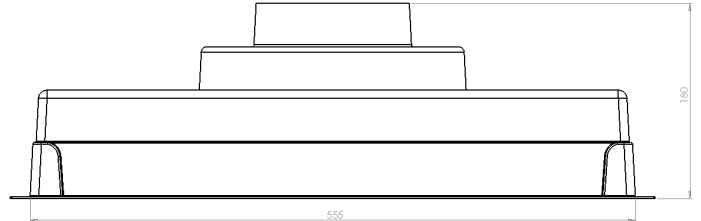
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Description

Our range of polymer plenum boxes offer a highly cost effective and lightweight method of ductwork connection to our grille range.

Dimensions



Available in sizes 100 - 595mm

ABS regrind mixed

ABS regrind mixed of acrylonitrile-butadiene-styrene without distinction between different ABS - types, over-dyed to a miscolor.

Typical properties			
Polymer abbreviation	-	-	ABS
Density	ISO 1183	kg/m ³	1100
Mechanical properties			
Stress at yield	ISO 527	N/mm ²	34
Strain at yield	ISO 527	%	4
Tensile strength	ISO 527	N/mm ²	33
Tensile elongation	ISO 527	%	25
Young's modulus	EN ISO 178	N/mm ²	2200
Flexural stress	DIN 53452	N/mm ²	45
Charpy impact strength at 23°C	EN ISO 179/1eU	kJ/m ²	> 35
Charpy impact strength at -30°C	EN ISO 179/1eU	kJ/m ²	25
Notched impact strength at 23°C	EN ISO 179/1eA	kJ/m ²	6
Notched impact strength at -30°C	EN ISO 179/1eA	kJ/m ²	5
Ball indentation hardness (H 358/30)	EN ISO 2039-1	N/mm ²	
Thermal properties			
Vicat softening temperature VST/B/50	ISO 306	°C	90
ISO/R75 Verf. A	ISO 75	°C	
ISO/R75 Verf. B	ISO 75	°C	
Continuous operating temperature		°C	70
Coefficient of thermal expansion	ISO 7991	10 ⁻⁵ /K	
Thermal conductivity	ISO 8302	W/Km	

The specified values are minim-values and can vary greatly due to the different types of compositions of the ABS.

These are characteristic properties, which are not to be construed as material specifications.

The mechanical values given in this technical datasheet were determined on extruded sheets of 4mm thickness.

The given information in this technical data sheet are created with utmost care.