

multiPad



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# Introduction to the Range

Polycarbonate - brilliant strength to weight ratio.

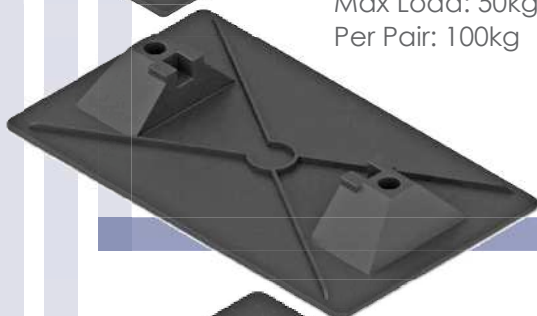
Reacts well under extreme heat and extreme temperature changes unlike other plastics and GRP's.

**UP TO 20  
YEARS  
WARRANTY  
OFFERED**



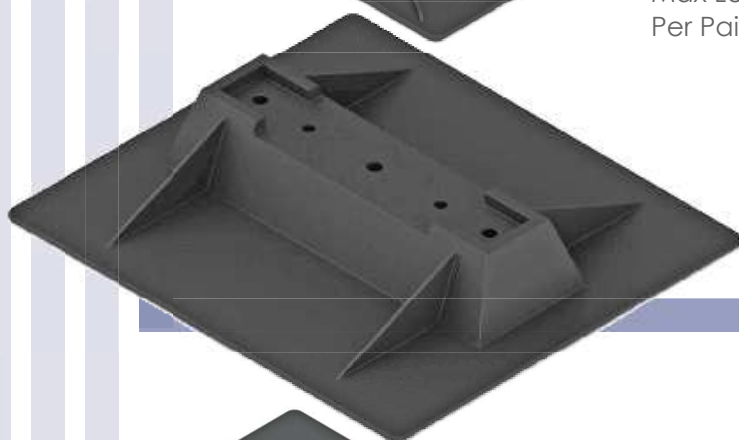
**mPad1**

250 x 190  
Max Load: 50kg  
Per Pair: 100kg



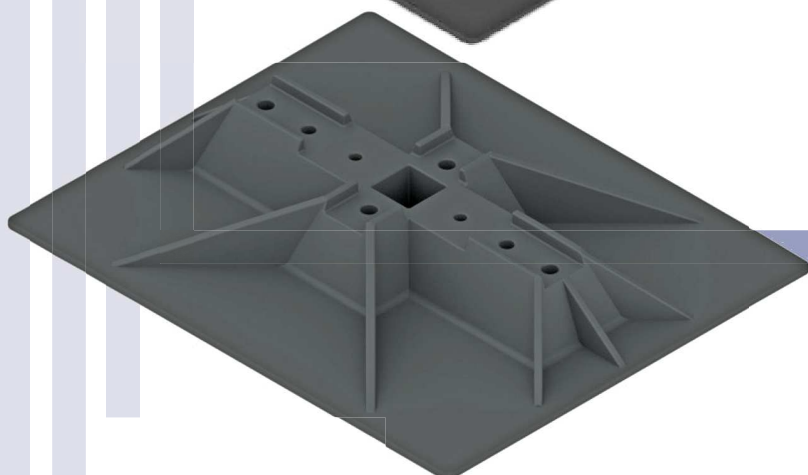
**mPad2**

390 x 230  
Max Load: 95kg  
Per Pair: 190kg



**mPad3**

460 x 400  
Max Load: 195kg  
Per Pair: 290kg



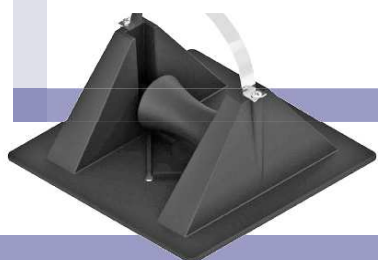
**mPad4**

580 x 480 Pad  
Max Load: 280kg  
Per Pair: 560kg



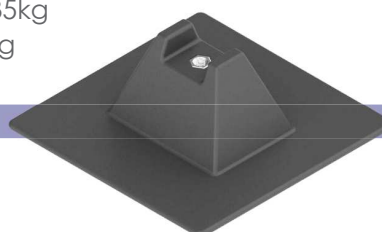
**mPad5**

150 x 150 Pad  
Max Load: 20kg  
Per Pair: 40kg



**mPad6**

195 x 195 Pad  
Max Load: 35kg  
Per Pair: 70kg



**mPad7**

200 x 200 Pad  
Max Load: 90kg  
Per Pair: 180kg

MIRO  
has been  
manufacturing  
Rooftop Supports  
since **1982**, and is a  
key supplier to many  
long established  
companies.



# Custom Framework

Product is designed to arrive pre-manufactured and assembled. Minimal assembly for the end user.



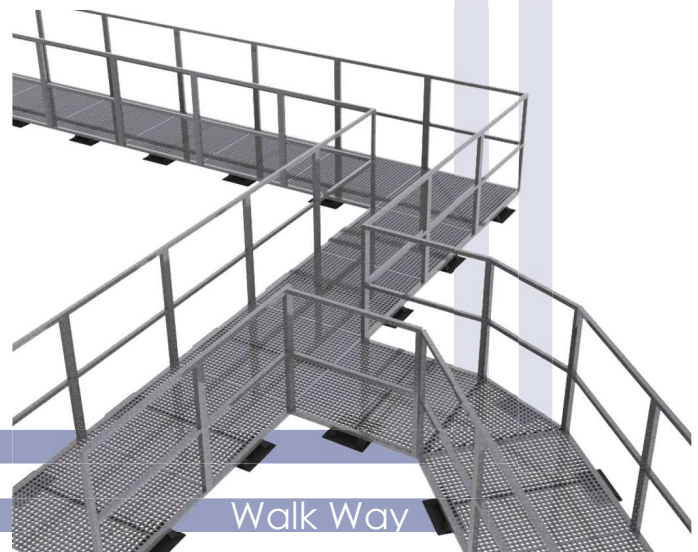
Solar Panels



Air Handling Unit



Step Over

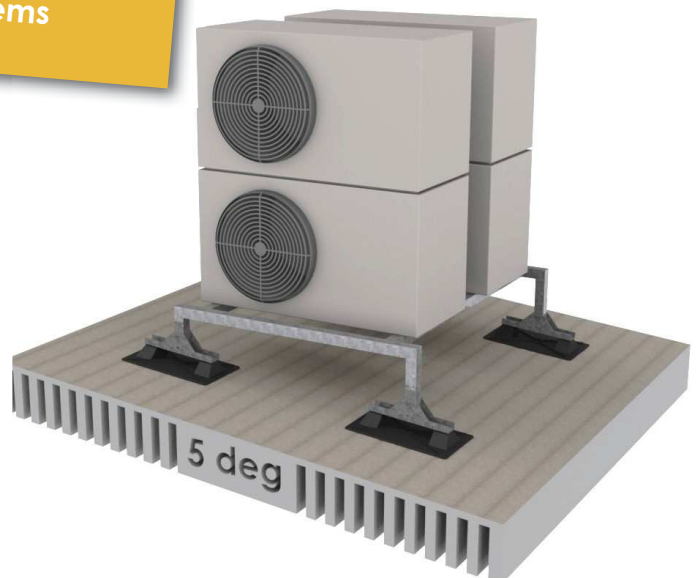


Walk Way

DST Groups manufacturing facility can offer a bespoke "built for purpose" solution unlike other roof support systems available in the UK.

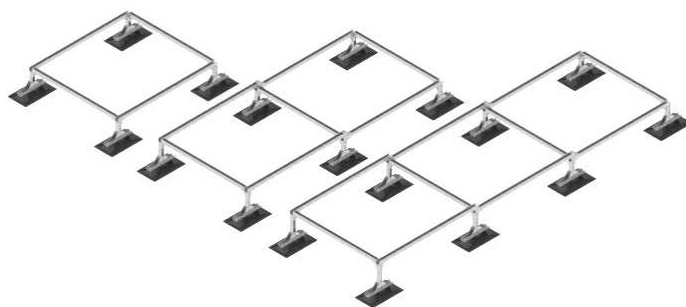


We can fabricate frames which compensate for offset roofs.

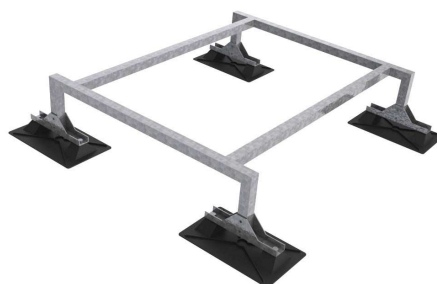
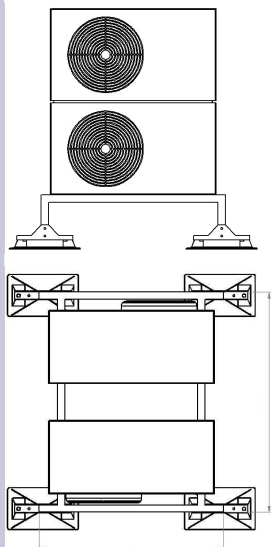


Our variable angled bracket allow for pitched roofs up to 5°.

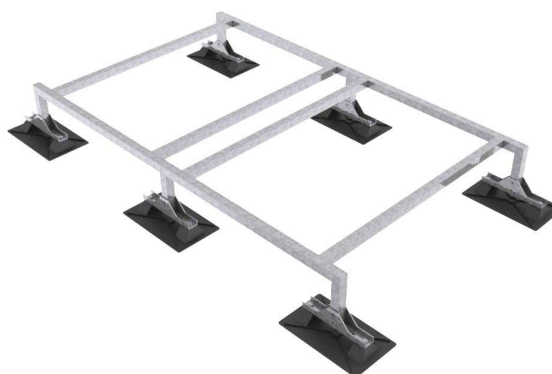
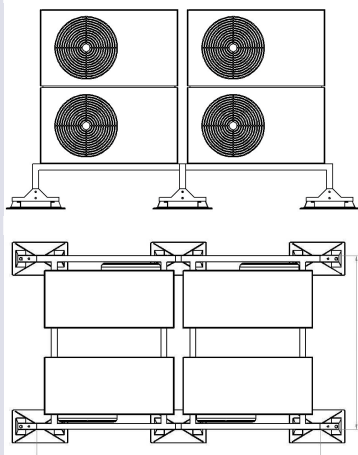
In-house  
design and  
engineering  
team



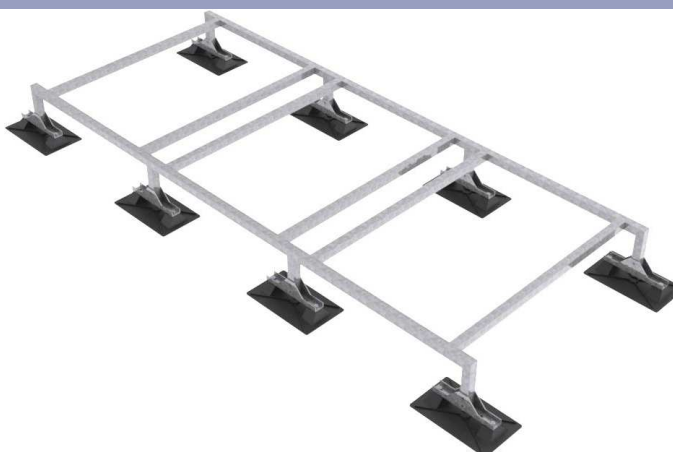
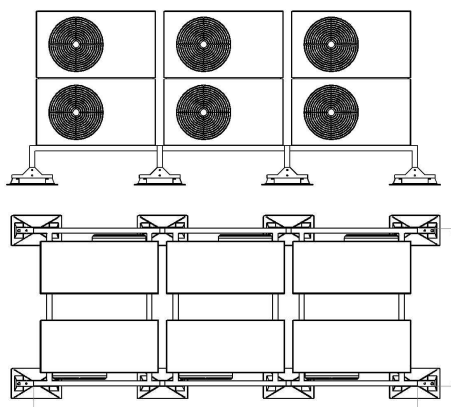
## 1m System Framework



## 2m System Framework



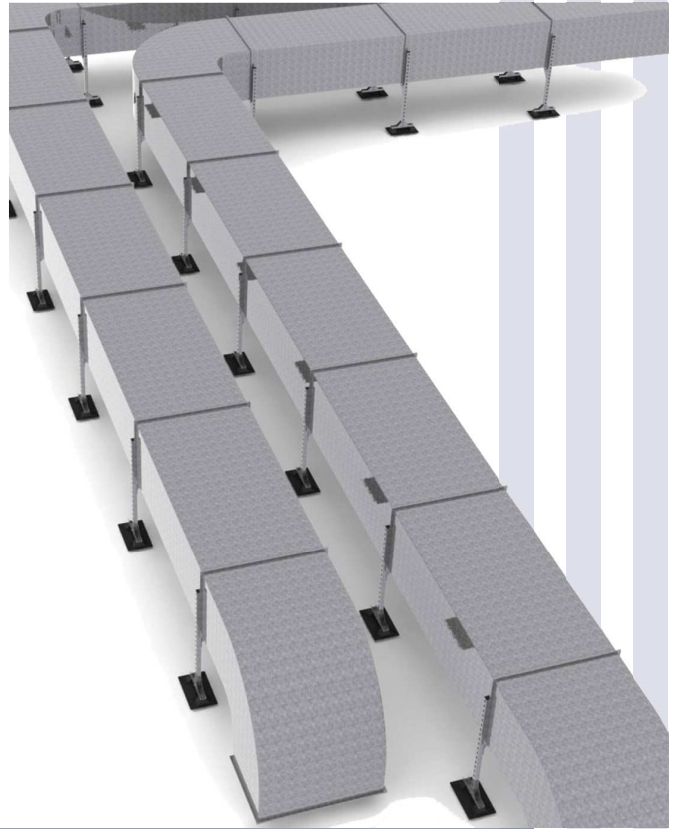
## 3m System Framework



# H Frame Support System



H-Frame Set



H-Frame Duct Run



H-Frame Saddle Run

**Supplied in kit form  
or fully  
assembled.**

**Kit includes:**

2 x Roof Feet  
2 x Adapter Bracket  
2 x Angled Bracket  
4 x Set Screw &  
Channel Nut

*Pre-cut strut can be  
supplied to the clients  
spec as an extra.*

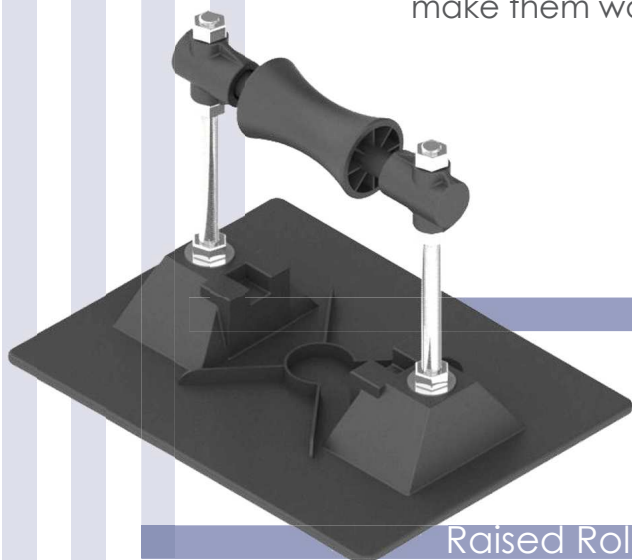
**Ready Assembled**

Arrives on site  
just-in-time for  
installation.



Smaller more specific roller and saddle pipe supports prove more cost effective than other "Pier" systems which require additional brackets to make them work.

Allows for  
expansion &  
contraction  
of the pipe

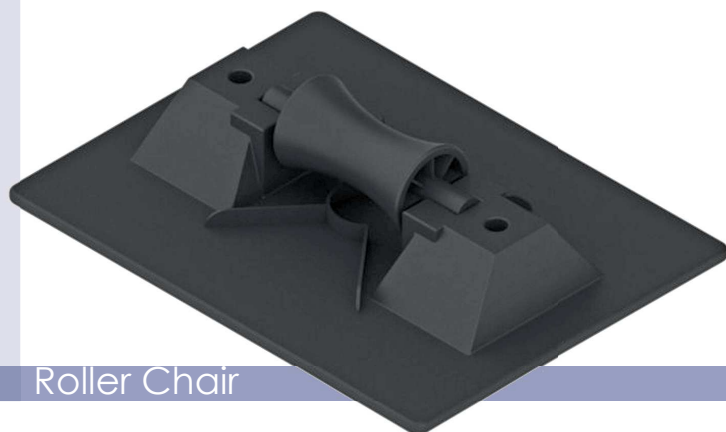


Rollers Run

Raised Roller Guide



Roller Chair & Guide



Roller Chair



# Universal Support System

## Used for:

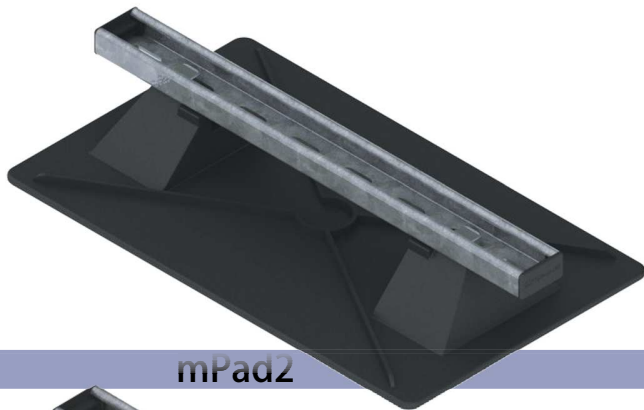
Containment Supports

Pipe Supports

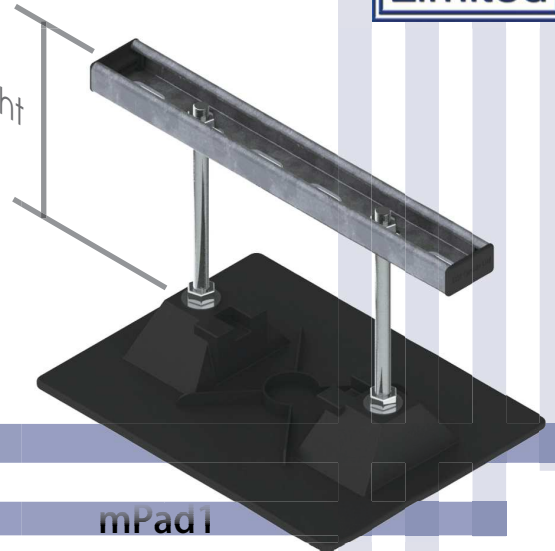
Equipment & Plant Supports



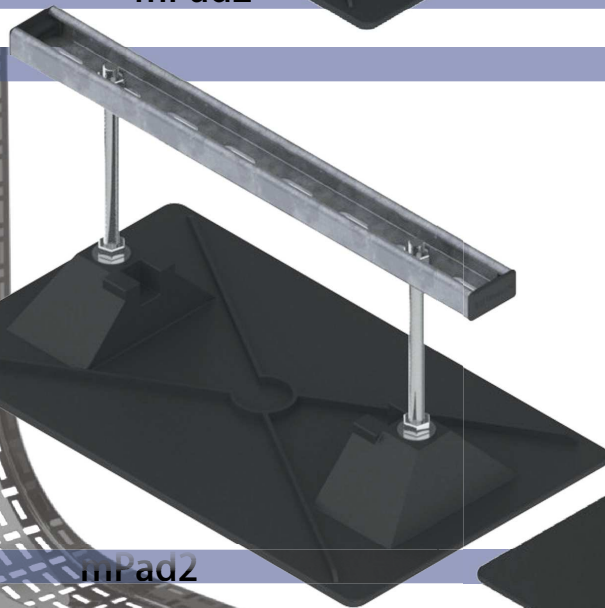
Adjustable Height



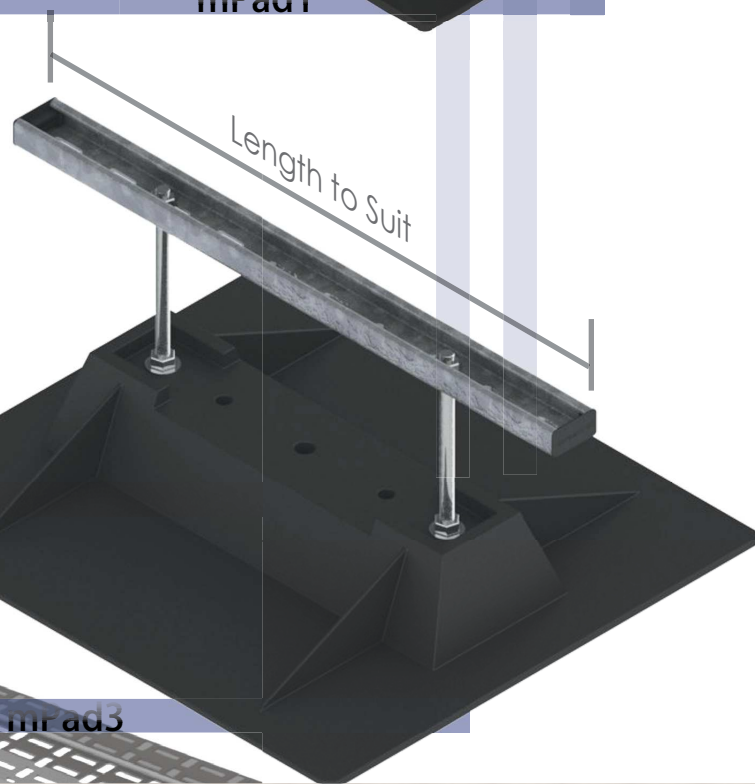
mPad2



mPad1



mPad2



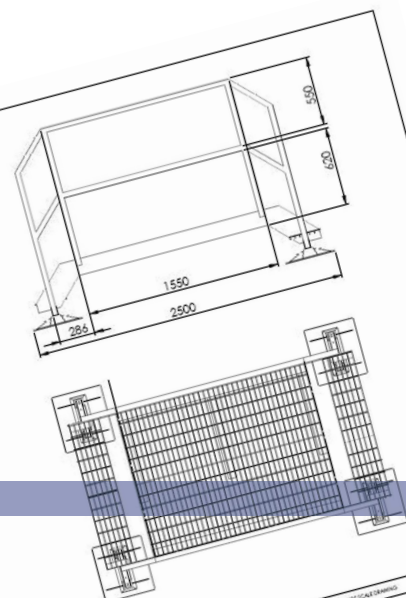
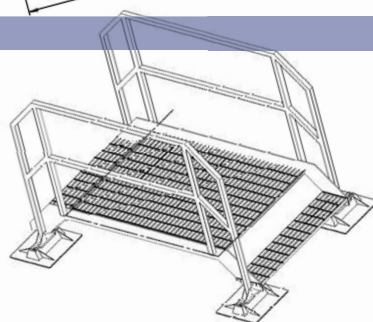
mPad3







DST Group can design a solution specific to your needs. Please speak to our design team for more information.



UNIT COVERAGE STATEMENT

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

GRADE: \_\_\_\_\_ SECTION: \_\_\_\_\_

TEACHER: \_\_\_\_\_ CLASS: \_\_\_\_\_

SUBJECT: \_\_\_\_\_ UNIT: \_\_\_\_\_

LESSON: \_\_\_\_\_ DATE: \_\_\_\_\_

TIME: \_\_\_\_\_ PLACE: \_\_\_\_\_

MATERIALS: \_\_\_\_\_ EQUIPMENT: \_\_\_\_\_

SUPPLIES: \_\_\_\_\_ INSTRUMENTS: \_\_\_\_\_

TOOLS: \_\_\_\_\_

STUDENT STATE DRAWMING

DATE: \_\_\_\_\_

Assembly of b

114

## Walk Way



## POLYCARBONATE RESIN

PROPERTY	ASTM TEST METHOD	VALUE	PROPERTY	ASTM TEST METHOD	VALUE
<b>PHYSICAL</b>					
Specific Gravity	D792	1.20	Volume Resistivity, ohm-cm	D257	
Specific Volume, in 3 / lb (am3 / lb)	-	23.1 (0.83)	@73°F, dry (23°C)		>10 <sup>16</sup>
Weight / Volume, lbs / in 3 (g3 / cm3)	-	0.043 (1.20)	Arc Resistance, sec	D495	
Water Absorption %	D570		Stainless Steel Electrodes		10-11
24 hours @ 73°F (23°C)		0.15	Tungsten Electrodes		120
Equilibrium, 73°F (23°C)		0.35	<b>MECHANICAL</b>		
Equilibrium, 212°F (100°C)		0.58	Tensile Strength, psi (MPa)	D638	
Mould Shrinkage, in/in at 0.125"	D955	0.005-0.007	Yield		9,000 (62)
Light Transmittance, % at 0.125"	D1003	89	Ultimate		10,000 (69)
Haze, % @ 0.125"	D1003	1	Elongation, %	D638	
Refractive Index	-	1.586	Rupture		130
<b>THERMAL</b>			Flexural Strength, psi (MPa)	D790	14,000 (97)
Deflection Temperature °F (°C)	D648		Flexural Modules, 10 <sup>3</sup> psi (MPa)	D790	3.40 (2,300)
@66 psi (0.46 MP a)			Compressive Strength, psi (MPa)	D695	12,500 (86)
@254 psi (1.82 MP a)		270( )	Compressive Modules, psi (MPa)	D695	
Specific Heat, Btu/lb/°F (kJ/kg/°K)	-	0.30 (1.25)	10 <sup>3</sup> asu (MPa)		3.45 (2,400)
Thermal Conductivity			Shear Strength, psi (MPa)	D732	
Btu-in/h-ft <sup>2</sup> -°F (W/Km)	-	1.35 (.19)	Yield		6,000 (40)
Coefficient of Thermal Expansion			Ultimate		10,000 (70)
in/in/°F (m.m/ °C)	D696	3.75 x 10 <sup>-5</sup> (6.75 x 10 <sup>-5</sup> )	Shear Modules, 10 <sup>3</sup> psi (MPa)	-	1.14 (790)
Vicat Softening Temperature, °F (°C)	D1525	305-315 (152-157)	Izod Impact Strength, ft-lbs/in (J/m)	D1822	
Viscosity Midpoint	D1238	9.5	Notched, 1/8" thick (3.22mm)		15 (801)
(Melt Flow Rate) g/10 min.	Condition 0		Tensile Impact Strength, ft-lbs/in <sup>2</sup> (kJ/m <sup>2</sup> )	D1822	
Brittleness Temperature, °F (°C)	D746	<-200 (-129)	S-type		275 (579)
Flammability Ratings			Dynatup Impact Strength, ft-lbs/in (J)	D3763	47 (64)
ASTM	D365°	AEB>1"	Fatigue Strength, psi @2.5mm	D671	
UL Standard 94° 1/16" (1.6 mm)	UL94	V-2	cycles (MPa)		1,000 (7.0)
UL Standard 94° 1/8" (3.2 mm)	UL94	V-2	Rockwell Hardness	D785	
Oxygen Index	D2863	25.0	M		70
<b>PHYSICAL</b>			R		118
Dielectric Strength, volts/mil (kV/mm)	D149	380 (15.0)	Deformation Under Load %	D621	
Short time, 125 mils (3.2mm)			4000 psi @ 73°F (27 MPa @ 23°C)		0.2
Dielectric Contant	D150		4000 psi @ 158°F (27 MPa @ 70°C)		0.5
60 Hz		3.17	Taber Abrasion Resistance		
10 <sup>6</sup> Hz		2.96	Weight Loss, mg/1000 cycles	D1044	10
Dielectric Factor	D150				
60 Hz		0.0009			
10 <sup>6</sup> Hz		0.010			



1. The product is designed to arrive pre-manufactured and assembled. Minimal assembly for the end user.
2. Up to a 20 year warranty offered.
3. In-house design and engineering team.
4. Full product line available - designed to meet the individual needs of the customer on a more individual project basis.
5. Allows for expansion and contraction of pipe.
6. Polycarbonate Material - Reacts well under extreme heat and extreme temperature changes, unlike other plastics and GRP's.
7. MIRO has been manufacturing Rooftop Supports since 1982 and is a key supplier to many blue chip companies.
8. Smaller more specific roller and saddle pipe supports prove more cost effective than other "Pier" systems which require additional brackets to make them work.
9. DST Group manufacturing facility can offer a bespoke "built for purpose" solution unlike other roof support systems in the UK.
10. All Miro feet are designed to be "Multifunctional" therefore standardising the material and specification across a roof system from Plant Frame Feet, to "H" Frames, pipe and ladder supports, walkways, step overs, sleepers.

Miro Key Customers:





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