

TECHNICAL SPECIFICATIONS

OUTRIGGER PADS

Outrigger pads from Cut To Size Plastics have been used successfully for years to provide mobile cranes with sure footing on site. They prevent vehicles from slipping and sinking into softer ground which needs to be protected. These pads are available in many sizes and designs and can be modified based on customers requirement.

The pad possesses high strength and stiffness, and then it can reduce deformation quantity of the body under the stress. The pad is made of UHMW-PE composite material at high temperature and high pressure special process.

Advantages:

- Easy to mount
- Compact
- Extreme stability
- No moisture absorption
- Easy to clean
- Engraving upon request
- Very durable

Properties:

- Light weight, with engraved or rope handles
- Compact
- Extreme durable
- Easy to stack and store
- Unbreakable

Applications:

- Mobile cranes
- Rigging Cranes
- Loading Cranes
- Concrete pumps

Material designation		A4° FQ	
Raw material	PE-UHMW		
Material colour(s)	black		
Properties	Unit	Test method	Value
Molecular weight (average molar mass)	g/mol		
Mechanical properties			
Density	g/cm ³	DIN 53479	0,96
Tensile strength	N/mm ²	DIN 53455	≥ 20
Shore D hardness, 15s - Value	Skala D	DIN 53505	64 – 68
Ball indentation hardness, 30s - Value	N/mm ²	DIN ISO 2039 Part 1	38
Ultimate tensile strength	N/mm ²	DIN 53455	30
Elongation at break	%	DIN ISO / R 527	> 150
Modulus of elasticity	N/mm ²	DIN 53457	900
Notched impact strength (Charpy)	kJ/m ²	DIN 53453	≥ 80
Abrasion	%	Sand slurry method	125 ± 25
Coefficient of friction	μ		0,2
Thermal properties			
Dimensional stability under heat	°C	DIN 53461	47
Vicat softening temperature	°C	DIN 53460	79
Crystalline melting range	°C	DTA	130 – 135
Thermal conductivity at 23 °C	W/ (K * m)		~ 0,4
Specific heat at 23 °C	kJ/ (K * Kg)		1,8
Coefficient of linear expansion at 23 °C	10 ⁻⁵ * (1/K)	DIN ISO 11359	20
Fire behaviour		UL 94	HB
Application temperature (min.)	°C		- 200
Application temperature (constant)	°C		+ 80
Moisture absorption	%		< 0,01
Electrical properties			
Specific volume resistance	Ω * cm	IEC 60093	≥ 10 ¹⁵
Surface resistance	Ω	IEC 60093	≥ 10 ¹⁴
Dielectric strength	kV/mm	IEC 60243	40

Length	Width	Thickness	Rated load/to.*	Weight/kg
400	400	40	10	6
400	400	60	12	9
500	500	40	15	10
500	500	50	15	12
500	500	60	20	14
600	600	40	20	14
600	600	60	25	21
800	800	40	25	24
800	800	50	30	30
800	800	60	35	36
1000	1000	50	40	48
1000	1000	60	65	57
1000	1000	70	70	67
1000	1000	80	70	76

*for the total load on a solid foundation

Disclaimer:

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