

POLYPADS/500 GRADE POLYETHYLENE

MATERIAL		Natural	Coloured	Black	Technical Data Sheet	
PHYSICAL PROPERTIES						
Density – DIN 53479-A	g/cm ³	0.95	0.95	0.95		
Notched Impact strength – DIN 53453 Charpy	kJ/mm	30	15-25	15-25		
Tensile Strength DIN53455 50mm/min	N/mm ²	25	20-25	20-25		
Abrasion method acc. To DIN 58836 (Slurry test rel. to GUR 4120 = 100%)	%	400	400	400		
Break Elongation – DIN 53455	%	>40	>40	>40		
Hardness – DIN 53505	Shore D	64-66	64-66	64-66		
Dynamic value of friction PE-Metal Pm=2N/mm v=10m/min		0.2-0.25	0.2-0.25	0.2-0.25		

FURTHER INFORMATION

Electrical Properties					
Volume Resistivity IEC93 / VDE0303 part 30	Ω*cm	>10	>10	>10	
THERMAL PROPERTIES					
Co efficient Linear expansion	DIN 53752		≈2*10 ⁻¹⁴ /K		
Melting Temperature	DSC ISO 3146		130-135°C		

PRESS CUTTING
TECHNOLOGY

DIE MAKING
SUPPLIES

PLASTIC
ENGINEERING

FOOD RELATED
PRODUCTS