

1000 GRADE POLYETHYLENE

MATERIAL		Natural	Coloured	Black
PHYSICAL PROPERTIES				
Density - DIN 53479-A	g/cm ³	0.93	0.93	0.93
Notched Impact strength - DIN 53453 Charpy	kJ/m ²	210	180-210	180-210
Tensile Strength DIN53455 50mm/min	N/mm ²	20	15-20	15-20
Abrasion method acc. to DIN 58836 (Slurry test rel. to GUR 4120 =100%)	%	100	100	100
Break Elongation - DIN 53455	%	>50	>50	>50
Hardness - DIN 53505	Shore D	63	63	63
Dynamic value of friction PE-Metal Pm=2N/mm v=10m/min	μ	0.2	0.2	0.2

Technical Data Sheet

FURTHER INFORMATION

Electrical Properties				
Volume Resistivity IEC93 / VDE0303 part 30	Ω*cm	>10 ¹⁴	<10 ¹⁴	<10 ¹⁴

THERMAL PROPERTIES

Co efficient Linear expansion	DIN 53752	~2*10 ⁻⁴ /K
Melting Temperature	DSC ISO 3146	130-135°C

The above data is based on present knowledge and is given without guarantee.
Existing laws and conditions are to be respected by the user of our products.

PARTWELL LIMITED
CUTTING TECHNOLOGY SPECIALISTS
ORDER TELEPHONE: 01254 671875

T000059T/1.PPT 1/1 06/04