

POLYETHYLENE PE1000 Grade Plastic Sheet

| MATERIAL | | Natural | Coloured | Black | Technical Data Sheet | |
|---|-------------------|---------|----------|---------|----------------------|--|
| 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 | | |

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 | | |

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