



Polystone® M Virgin Black Data Sheet

Polystone® M Virgin, Black HCL, Ultra High Weight Polyethylene (UHMW-PE) is produced by compression molding.

| PRODUCT PARAMETER | Value | Units | ASTM |
|---------------------------|---------------------------|-------------------|------------|
| Density (high carbon) | 0.955 | g/cm ³ | calculated |
| Yield Tensile Strength | 3,100 | psi | D638 |
| Ultimate Tensile Strength | 7,000 | psi | D638 |
| Ultimate Elongation | >350 | % | D628 |
| Shore D Hardness | 60 | - | D2240 |
| Vicat Softening Point | 176 | °F | D1525 |
| Linear Thermal Expansion | 1.1×10^{-4} | °F ⁻¹ | D696 |
| Surface Resistivity | Less than equal to 10^5 | Ohms/sq | Internal |

The product parameters are based on virgin, natural resin.

The material meets the requirements of ASTM D4020.

The above product parameters are to be considered typical product parameters and are not intended to be considered product specifications.

The Material Safety Data Sheet (MSDS) is available at www.roechling-plastics.us

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