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**GUR® X 243 - PE-UHMW**

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**Description**

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UHMW-PE powder grade

| <b>Physical properties</b>    | <b>Value</b> | <b>Unit</b>         | <b>Test Standard</b> |
|-------------------------------|--------------|---------------------|----------------------|
| Elongational Stress F, 150/10 | <b>72.5</b>  | psi                 | ISO 21304-2          |
| Average molecular weight      | <b>9.2E6</b> | g/mol               | Margolies' Equation  |
| Density                       | <b>58.1</b>  | lb/ft <sup>3</sup>  | ISO 1183             |
| MFR temperature               | <b>374</b>   | °F                  | ISO 1133             |
| MFR load                      | <b>47.6</b>  | lb                  | ISO 1133             |
| Intrinsic viscosity           | <b>87200</b> | in <sup>3</sup> /lb | ISO 1628-3           |
| Average particle size, d50    | <b>160</b>   | µm                  | Laser scattering     |

**Characteristics**

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|----------------------|-------------------|
| <b>Processing</b>    | Injection molding |
| <b>Delivery Form</b> | Powder            |

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