**JPHDPEHMWF**

High Density (HMW) Polyethylene material

**Typical Material Properties**

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| General |  |  |
| Material Status | Commercial: Active |  |
| Availability | North America |  |
| Features | Good Impact Resistance | Good Tear Strength |
|  | High Molecular Weight |  |
| Uses | Bags | Film |
|  | Food Wrap |  |
| Forms | Pellets |  |
| Processing Method | Blown Film |  |

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| Physical Properties | Nominal Values | Test Method |
| Specific Gravity | 0.944  | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/21.6 kg) | 7.5 g/10 min | ASTM D1238 |

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| Mechanical Properties |  |  |
| Tensile Modulus | 152000 psi | ASTM D638 |
| Tensile Strength |    | ASTM D638 |
| Yield | 3190 psi |   |
| Break | 5370 psi |   |
| Tensile Elongation (Break) | 700 % | ASTM D638 |

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| Films |  |  |
| Film Thickness - Tested | 1.6 mil |   |
| Dart Drop Impact | 200 g | ASTM D1709 |

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| Thermal |  |  |
| Melting Temperature | 262 °F |  |