

Wellman Wellamid® MR410 22H-WBK 40% Mineral Reinforced, Weatherable Black Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% Mineral Filled

Material Notes:

Description: Mineral Reinforced, Weatherable Black Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-MR410-22H-WBK-40-Mineral-Reinforced-Weatherable-Black-Nylon-66.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|-----------------------|---------------------------|---------------|
| Density | 1.47 g/cc | 0.0531 lb/in ³ | ISO 1183-87 |
| Filler Content | 40 % | 40 % | |
| Linear Mold Shrinkage, Flow | 0.0050 - 0.0090 cm/cm | 0.0050 - 0.0090 in/in | ISO DIS 294-4 |
| Linear Mold Shrinkage, Transverse | 0.010 - 0.014 cm/cm | 0.010 - 0.014 in/in | ISO DIS 294-4 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|------------|
| Tensile Strength at Break | 79.0 MPa | 11500 psi | ISO 527-93 |
| Elongation at Break | 3.0 % | 3.0 % | ISO 527-93 |
| Flexural Strength | 130 MPa | 18900 psi | ISO 178-93 |
| Flexural Modulus | 6.50 GPa | 943 ksi | ISO 178-93 |
| Izod Impact, Notched (ISO) | 3.50 kJ/m ² | 1.67 ft-lb/in ² | ISO 180-93 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Melting Point | 260 °C | 500 °F | ISO 3146 |
| Deflection Temperature at 1.8 MPa (264 psi) | 160 °C | 320 °F | ISO 75-93 |

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