

Novamid[®] 2430AH2

PA6/66

Blow Molding and Extrusion Grade, High Viscosity, Lubricated, Heat Stabilized, Blow Molding Grade

| <i>PROPERTIES</i> | <i>TYPICAL DATA</i> | <i>UNIT</i> | <i>TEST METHOD</i> |
|-------------------------------------------|---------------------|--------------------|---------------------|
| MECHANICAL PROPERTIES | | | |
| | <i>DRY / COND</i> | | |
| Tensile modulus | 2500 / – | MPa | ISO 527-1/-2 |
| Yield stress | 72 / – | MPa | ISO 527-1/-2 |
| Yield strain | 4.1 / – | % | ISO 527-1/-2 |
| Nominal strain at break | >50 / – | % | ISO 527-1/-2 |
| Flexural modulus | 2300 / – | MPa | ISO 178 |
| Flexural strength | 84 / – | MPa | ISO 178 |
| Charpy impact strength (+23°C) | N / – | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | 2.6 / – | kJ/m ² | ISO 179/1eA |
| THERMAL PROPERTIES | | | |
| | <i>DRY / COND</i> | | |
| Melting temperature (10°C/min) | 193 / * | °C | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 49 / * | °C | ISO 75-1/-2 |
| Temp. of deflection under load (0.45 MPa) | 76 / * | °C | ISO 75-1/-2 |
| OTHER PROPERTIES | | | |
| | <i>DRY / COND</i> | | |
| Water absorption | 11 / * | % | Sim. to ISO 62 |
| Humidity absorption | 2.8 / * | % | Sim. to ISO 62 |
| Density | 1120 / – | kg/m ³ | ISO 1183 |
| MATERIAL SPECIFIC PROPERTIES | | | |
| | <i>DRY / COND</i> | | |
| Viscosity number | 246 / * | cm ³ /g | ISO 307, 1157, 1628 |
| RSV formic acid, 1g/100ml | 3.6 | – | Envalior Method |

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Viscosity–shear rate

