# CELANYL® A3 H J08 K15 BK 9005/UV/2

CELANYL®

*General purpose grade.*

## Product information

| | | |
|---|---|---|
| Resin Identification | PA66-I-MD15 | ISO 1043 |
| Part Marking Code | >PA66-I-MD15< | ISO 11469 |

## Rheological properties

| | | | |
|---|---|---|---|
| Molding shrinkage range, parallel | 0.8 - 1.1 | % | ISO 294-4, 2577 |
| Molding shrinkage range, normal | 1 - 1.3 | % | ISO 294-4, 2577 |

## Typical mechanical properties

| | dry/cond. | | |
|---|---|---|---|
| Tensile modulus | 464000 / - | psi | ISO 527-1/-2 |
| Tensile stress at break, 5mm/min | 9430 / - | psi | ISO 527-1/-2 |
| Tensile strain at break, 5mm/min | 15 / - | % | ISO 527-1/-2 |
| Flexural modulus | 479000 / - | psi | ISO 178 |
| Flexural strength | 18100 / - | psi | ISO 178 |
| Izod notched impact strength, 23°C | 3.57 / - | ftlb/in² | ISO 180/1A |

## Thermal properties

| | dry/cond. | | |
|---|---|---|---|
| Temperature of deflection under load, 1.8 MPa | 158 / * | °F | ISO 75-1/-2 |
| Temperature of deflection under load, 0.45 MPa | 428 / * | °F | ISO 75-1/-2 |

## Flammability

| | dry/cond. | | |
|---|---|---|---|
| Thickness tested | 0.1260 / * | in | IEC 60695-11-10 |

## Physical/Other properties

| | dry/cond. | | |
|---|---|---|---|
| Humidity absorption, 2mm | 1.9 / * | % | Sim. to ISO 62 |
| Water absorption, 2mm | 6.6 / * | % | Sim. to ISO 62 |
| Density | 0.0444 / - | lb/in³ | ISO 1183 |

## Characteristics

| | |
|---|---|
| Processing | Injection Molding |
| Special characteristics | Heat stabilized or stable to heat |



Revised: 2024-08-16 Source: Celanese Materials Database

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