

BALTAMID 6 natur

PA6

BALTIC Kunststoff Handels GmbH

| Mechanical properties | dry / cond | Unit | Test Standard |
|------------------------------|----------------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Modulus | 3300 / 1400 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 80 / 50 | MPa | ASTM D 638 |
| Elongation at Break | 40 / 170 | % | ASTM D 638 |
| Flexural Strength | 120 / 60 | MPa | ASTM D 790 |
| Rockwell Hardness | R 119 / R 104 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 45 / 400 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-2 | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| Coefficient of Thermal Expansion, MD | 70 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 175 | °C | ASTM D 648 |
| DTUL @ 264 psi | 65 | °C | ASTM D 648 |
| Melting Temperature | 220 | °C | ASTM D 3418 |
| Vicat Temperature | 200 | °C | ASTM D 1525 |

| Electrical properties | dry / cond | Unit | Test Standard |
|------------------------------|--------------------|-------------|----------------------|
| ASTM Data | | | |
| Surface Resistivity | * / 1E11 | Ohm | ASTM D 257 |
| Volume Resistivity | 1E15 / 1E12 | Ohm*cm | ASTM D 257 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Water Absorption, 24hr | 1.3 | % | ASTM D 570 |
| Density | 1130 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Melt temperature | 230 - 250 | °C | - |
| Mold temperature | 20 - 80 | °C | - |

Characteristics**Processing**

Injection Molding

Additives

Release agent

Delivery form

Natural Color

Regional Availability

Europe