

# ADDINYL B2 K20

Polyamide 6  
ADDIPLAST

Message:

ADDINYL B2 K20 is a Polyamide 6 (Nylon 6) material. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America. Primary attribute of ADDINYL B2 K20: Rigid.

| General Information                               |                      |               |                   |             |
|---------------------------------------------------|----------------------|---------------|-------------------|-------------|
| Features                                          |                      | High Density  |                   |             |
|                                                   |                      | High Rigidity |                   |             |
| Forms                                             |                      | Pellets       |                   |             |
| Physical                                          | Dry                  | Conditioned   | Unit              | Test Method |
| Density                                           | 2.10                 | --            | g/cm <sup>3</sup> | ISO 1183/A  |
| Hardness                                          | Dry                  | Conditioned   | Unit              | Test Method |
| Shore Hardness (Shore D)                          | 86                   | 83            |                   | ISO 868     |
| Mechanical                                        | Dry                  | Conditioned   | Unit              | Test Method |
| Tensile Stress (Break)                            | 33.0                 | 24.0          | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | 10                   | 40            | %                 | ISO 527-2   |
| Flexural Modulus                                  | 5000                 | 2200          | MPa               | ISO 178     |
| Impact                                            | Dry                  | Conditioned   | Unit              | Test Method |
| Charpy Notched Impact Strength                    | 2.5                  | 3.0           | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength                  | 36 kJ/m <sup>2</sup> | No Break      |                   | ISO 179/1eU |
| Notched Izod Impact Strength                      | 3.0                  | 4.0           | kJ/m <sup>2</sup> | ISO 180/1A  |
| Thermal                                           | Dry                  | Conditioned   | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 72.0                 | --            | °C                | ISO 75-2/Af |
| Melting Temperature (DSC)                         | 220                  | --            | °C                | ISO 3146    |
| Electrical                                        | Dry                  | Conditioned   | Unit              | Test Method |
| Comparative Tracking Index (Solution A)           | 475                  | --            | V                 | IEC 60112   |

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