

## Grupo Repol Dinalon® B1S25 M404 PA6 40% Mineral Charge

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 40% Mineral Filled

### Material Notes:

Mechanical properties for Dry As Molded samples Information provided by Grupo Repol

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Grupo-Repol-Dinalon-B1S25-M404-PA6-40-Mineral-Charge.php](http://www.lookpolymers.com/polymer_Grupo-Repol-Dinalon-B1S25-M404-PA6-40-Mineral-Charge.php)

| Physical Properties                | Metric    | English                   | Comments                  |
|------------------------------------|-----------|---------------------------|---------------------------|
| Density                            | 1.50 g/cc | 0.0542 lb/in <sup>3</sup> | ISO 1183/A                |
| Moisture Absorption at Equilibrium | <= 0.25 % | <= 0.25 %                 | Karl-Fischer; ISO 15512/A |

| Mechanical Properties     | Metric                                              | English                                             | Comments    |
|---------------------------|-----------------------------------------------------|-----------------------------------------------------|-------------|
| Tensile Strength at Break | 95.0 MPa                                            | 13800 psi                                           | ISO 527     |
| Elongation at Break       | 6.0 %                                               | 6.0 %                                               | ISO 527     |
| Elongation at Yield       | 2.5 %                                               | 2.5 %                                               | ISO 527     |
| Tensile Modulus           | 7.20 GPa                                            | 1040 ksi                                            | ISO 527     |
| Flexural Strength         | 135 MPa                                             | 19600 psi                                           | ISO 178     |
| Flexural Modulus          | 4.80 GPa                                            | 696 ksi                                             | ISO 178     |
| Charpy Impact Unnotched   | NB<br>@Temperature 23.0<br>Â°C                      | NB<br>@Temperature 73.4 Â°F                         | ISO 179/1eU |
| Charpy Impact, Notched    | 0.300 J/cm <sup>2</sup><br>@Temperature 23.0<br>Â°C | 1.43 ft-lb/in <sup>2</sup><br>@Temperature 73.4 Â°F | ISO 179/1eA |

| Thermal Properties                             | Metric     | English    | Comments     |
|------------------------------------------------|------------|------------|--------------|
| Deflection Temperature at 1.8 MPa<br>(264 psi) | 105 Â°C    | 221 Â°F    | ISO 75/A     |
| Vicat Softening Point                          | >= 200 Â°C | >= 392 Â°F | 50N; ISO 306 |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China