

Grupo Repol Dinalon® A1S25 H PA66 Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Heat Stabilized

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-A1S25-H-PA66-Heat-Stabilized.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|-----------|---------------------------|---------------------------|
| Density | 1.14 g/cc | 0.0412 lb/in ³ | 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 | 75.0 MPa | 10900 psi | ISO 527 |
| Elongation at Yield | 5.0 % | 5.0 % | ISO 527 |
| Tensile Modulus | 3.00 GPa | 435 ksi | ISO 527 |
| Flexural Strength | 95.0 MPa | 13800 psi | ISO 178 |
| Flexural Modulus | 2.30 GPa | 334 ksi | ISO 178 |
| Charpy Impact Unnotched | NB @Temperature 23.0 Â°C | NB @Temperature 73.4 Â°F | ISO 179/1eU |
| Charpy Impact, Notched | 0.500 J/cm ² @Temperature 23.0 Â°C | 2.38 ft-lb/in ² @Temperature 73.4 Â°F | ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|--|------------|------------|--------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 60.0 Â°C | 140 Â°F | ISO 75/A |
| Vicat Softening Point | >= 230 Â°C | >= 446 Â°F | 50N; ISO 306 |

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