

Addiplast Addinyl B2 1 Flame Retardant Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced, Flame Retardant

Material Notes:

Flame retardant, halogen free Information provided by Addiplast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addiplast-Addinyl-B2-1-Flame-Retardant-Nylon-6.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|------------|
| Density | 1.20 g/cc | 0.0434 lb/in ³ | ISO 1183/A |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-------------------------|----------------------------|--------------------------|
| Hardness, Shore D | 71 | 71 | Conditioned; ISO 868 |
| | 82 | 82 | ISO 868 |
| Tensile Strength at Break | 40.0 MPa | 5800 psi | Conditioned; ISO R 527 |
| | 50.0 MPa | 7250 psi | ISO R 527 |
| Elongation at Break | 3.0 % | 3.0 % | ISO R 527 |
| | 15 % | 15 % | Conditioned; ISO R 527 |
| Modulus of Elasticity | 1.90 GPa | 276 ksi | Conditioned; ISO 178 |
| | 3.30 GPa | 479 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 3.00 kJ/m ² | 1.43 ft-lb/in ² | ISO 180/1A |
| | 8.00 kJ/m ² | 3.81 ft-lb/in ² | Conditioned; ISO 180/1A |
| Charpy Impact, Notched | 0.250 J/cm ² | 1.19 ft-lb/in ² | ISO 179/1eA |
| | 0.700 J/cm ² | 3.33 ft-lb/in ² | Conditioned; ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|---|---------------------|----------------------|---------------|
| Melting Point | 220 °C | 428 °F | ISO 3146/C2 |
| Deflection Temperature at 1.8 MPa (264 psi) | 70.0 °C | 158 °F | ISO 75-2/AF |
| Flammability, UL94 | V-0 | V-0 | |
| | @Thickness 0.800 mm | @Thickness 0.0315 in | |
| Oxygen Index | 37 % | 37 % | ISO 4589 |
| Glow Wire Test | 960 °C | 1760 °F | CEI 60695/2/1 |

| Thermal Properties | Metric | English | Comments |
|----------------------------|-----------------|-----------------|------------------------|
| Electrical Properties | Metric | English | Comments |
| Volume Resistivity | 1.00e+12 ohm-cm | 1.00e+12 ohm-cm | Conditioned; CEI 60093 |
| | 1.00e+15 ohm-cm | 1.00e+15 ohm-cm | CEI 60093 |
| Surface Resistance | 1.00e+12 ohm | 1.00e+12 ohm | Conditioned; CEI 60093 |
| | 1.00e+14 ohm | 1.00e+14 ohm | CEI 60093 |
| Dielectric Strength | 26.0 kV/mm | 660 kV/in | CEI 60243-1 |
| Comparative Tracking Index | >= 600 V | >= 600 V | CEI 60112/Solution A |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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