



NETWORK POLYMERS, INC.

**NPP 60-1300 GF30**

**30% GLASS FILLED  
POLYESTER ALLOY**

| PROPERTIES   | ASTM TEST | UNITS<br>ENGLISH<br>METRIC |                  |
|--|-----------|----------------------------|------------------|
| <b>PHYSICAL</b>  |           |                            |                  |
| Melt Viscosity<br>250°C/5.0 kg)  | D1238     | Poise                      | 12,000           |
| Specific Gravity   | D-792     |                            | 1.50             |
| Mold Shrinkage   | D-955     | in/in<br>mm/mm             | 0.004<br>0.004   |
| Glass Content  | D-5630    | %                          | 30 +/- 2         |
| <b>IMPACT</b>  |           |                            |                  |
| Izod Impact, notched,<br>Test Method A (0.125" bar), @ 73°F  | D-256     | ft-lb/inch<br>J/m          | 1.5<br>80        |
| <b>TENSILE</b>   |           |                            |                  |
| Tensile Yield Strength, Type I bar<br>chs 2.0 in/min   | D-638     | psi<br>MPa                 | 15,000<br>103.5  |
| Elongation<br>@ Yield<br>@ Break   | D-638     | %                          | --<br>--         |
| <b>FLEXURAL</b>  |           |                            |                  |
| Flexural Modulus, tangent<br>chs 0.05 in/min   | D-790     | psi<br>MPa                 | 940,000<br>6,486 |
| <b>THERMAL</b>   |           |                            |                  |
| Heat Deflection Temperature<br>0.125"bar @ 1.8MPa (264psi)<br>Unannealed/Conditioned<br>48 hours @ 23°C (73°F) | D-648     | °F<br>°C                   | --<br>--         |

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