

**PRL NY66-G13**

PA66-GF13

Polymer Resources, Ltd.

| <b>Processing/Physical Characteristics</b>         | <b>Value</b>      | <b>Unit</b>       | <b>Test Standard</b> |
|--|-------------------|-------------------|----------------------|
| <b>ASTM Data</b>                                   |                   |                   |                      |
| Mold Shrinkage, MD                                 | <b>0.005</b>      | mm/mm             | ASTM D 955           |
| <b>Mechanical properties</b>                       |                   |                   |                      |
| <b>ASTM Data</b>                                   |                   |                   |                      |
| Tensile Strength at Yield                          | <b>110</b>        | MPa               | ASTM D 638           |
| Tensile Strength at Break                          | <b>110</b>        | MPa               | ASTM D 638           |
| Flexural Modulus                                   | <b>4723</b>       | MPa               | ASTM D 790           |
| Flexural Strength                                  | <b>159</b>        | MPa               | ASTM D 790           |
| Izod Impact notched, 1/8 in                        | <b>64.1</b>       | J/m               | ASTM D 256           |
| <b>Thermal properties</b>                          |                   |                   |                      |
| <b>ASTM Data</b>                                   |                   |                   |                      |
| DTUL @ 66 psi                                      | <b>249</b>        | °C                | ASTM D 648           |
| DTUL @ 264 psi                                     | <b>241</b>        | °C                | ASTM D 648           |
| <b>Other properties</b>                            |                   |                   |                      |
| Density  | <b>1220</b>       | kg/m <sup>3</sup> | ASTM D 792           |
| <b>Processing Recommendation Injection Molding</b> |                   |                   |                      |
| Pre-drying - Temperature                           | <b>73.9 - 85</b>  | °C                | -                    |
| Pre-drying - Time                                  | <b>3 - 4</b>      | h                 | -                    |
| Melt temperature                                   | <b>288 - 299</b>  | °C                | -                    |
| Mold temperature                                   | <b>65.6 - 104</b> | °C                | -                    |
| Zone 1   | <b>271 - 282</b>  | °C                | -                    |
| Zone 2   | <b>277 - 288</b>  | °C                | -                    |
| Zone 3   | <b>293 - 304</b>  | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Lubricants

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

North America