

## Dow Nordel® IP 4770P Highly Extended Low-Cost Hose

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

FormulationNordel® IP 4770P

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Nordel-IP-4770P-Highly-Extended-Low-Cost-Hose.php](http://www.lookpolymers.com/polymer_Dow-Nordel-IP-4770P-Highly-Extended-Low-Cost-Hose.php)

| Physical Properties | Metric                    | English                    | Comments |
|---------------------|---------------------------|----------------------------|----------|
| Density             | 1.339 g/cc                | 0.04837 lb/in <sup>3</sup> |          |
| Mooney Viscosity    | 21<br>@Temperature 100 °C | 21<br>@Temperature 212 °F  | ML 1 + 4 |

| Mechanical Properties      | Metric                      | English                     | Comments                                             |
|----------------------------|-----------------------------|-----------------------------|------------------------------------------------------|
| Hardness, Shore A          | 61                          | 61                          | Vulcanizate, Press cured, TC95 +3min at 160°C        |
| Tensile Strength, Ultimate | 7.00 MPa                    | 1020 psi                    | Vulcanizate, Press cured, TC95 +3min at 160°C        |
| Elongation at Break        | 492 %                       | 492 %                       | Vulcanizate, Press cured, TC95 +3min at 160°C        |
| 100% Modulus               | 0.00200 GPa                 | 0.290 ksi                   | Vulcanizate, Press cured, TC95 +3min at 160°C        |
| 200% Modulus               | 0.00390 GPa                 | 0.566 ksi                   | Vulcanizate, Press cured, TC95 +3min at 160°C        |
| 300% Modulus               | 0.00520 GPa                 | 0.754 ksi                   | Vulcanizate, Press cured, TC95 +3min at 160°C        |
| Tear Strength              | 31.0 kN/m                   | 177 pli                     | Die C, Vulcanizate, Press cured, TC95 +3min at 160°C |
| Compression Set            | 75 %<br>@Temperature 125 °C | 75 %<br>@Temperature 257 °F | Pellets cured MDR TC95 + 15 min, 70 hr; Method B     |

| Thermal Properties      | Metric   | English | Comments                      |
|-------------------------|----------|---------|-------------------------------|
| Brittleness Temperature | -15.0 °C | 5.00 °F | Temperature Retraction, TR-10 |

## Contact Songhan Plastic Technology Co.,Ltd.

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