

# NORDEL™ IP 4770R

Hydrocarbon Rubber

The Dow Chemical Company

## Message:

NORDEL™IP 4770R hydrocarbon rubber is a high molecular weight, semi-crystalline brand, fast curing rate, in the standard curing system has a high degree of curing. It has the characteristics of high original strength and high elongation. This product is used for extrusion processing such as profiles and hoses, and is also suitable for molded products. In order to increase the mixing speed and capacity, this brand of product is supplied in the form of bar stock.

Main features:

semicrystallization

Medium diene content

high molecular weight

Original high strength

Comply with the following regulations

U.S. Food and Drug Administration Regulation 21 CFR 177.2600,

U.S. Food and Drug Administration Regulation 21 CFR 177.1520 (see Note 1),

U.S. Food and Drug Administration Regulation 21 CFR 175.105 (see Note 2),

U.S. Food and Drug Administration Regulation 21 CFR 177.1210.

Please check the regulations for complete details.

Application field:

Profile/Sealing Strip Extrusion

Universal hose

Refrigeration system hose

generic molded products

remarks:

(1) can be used to contact all types of food, except oil emulsion water, high-fat or low-fat food, low-humidity fat and oil food.

(2) Adhesive only.

| General Information                 |                       |                   |                 |
|-------------------------------------|-----------------------|-------------------|-----------------|
| Agency Ratings                      | FDA 21 CFR 175.105 2  |                   |                 |
|                                     | FDA 21 CFR 177.1210   |                   |                 |
|                                     | FDA 21 CFR 177.1520 3 |                   |                 |
|                                     | FDA 21 CFR 177.2600   |                   |                 |
|                                     | Europe No 10/2011     |                   |                 |
| Forms                               | Bar                   |                   |                 |
| Physical                            | Nominal Value         | Unit              | Test Method     |
| Specific Gravity                    | 0.870                 | g/cm <sup>3</sup> | ASTM D297       |
| Mooney Viscosity (ML 1+4, 125°C)    | 70                    | MU                | ASTM D1646      |
| Ethylene Content                    | 70.0                  | wt%               | ASTM D3900      |
| Ethylidene Norbornene (ENB) Content | 5.0                   | wt%               | ASTM D6047      |
| Propylene content                   | 25.0                  | wt%               | ASTM D3900      |
| Residual conversion metal           |                       | ppm               | Internal method |
| Molecular Weight Distribution       | medium                |                   | Internal method |
| Ash Content                         |                       | wt%               | ASTM D296       |
| Volatile Matter                     |                       | wt%               | Internal method |
| Additional Information              |                       |                   |                 |

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