

## Yparex 8104 E Polyolefin Adhesive Resin

Category : Polymer , Thermoplastic , Adhesives, Sealants, and Coatings , Polyolefin

### Material Notes:

The Yparex range provides outstanding adhesion for all forms of polyethylene including cross-linked PE to: barrier plastics like EVOH and Polyamidemetals like aluminum, steel and copper. Yparex offers: Rheology tailored for extrusion process Consistent products regarding flow and melt stability Maintains adhesion to metals up to 95°C The bonding that Yparex provides between polyethylene and the other layers develops in the melt phase and depends on contact time and temperature. Film applications: Multi-layer barrier films for food applications with low oxygen permeation Industrial films with oxygen barrier Multi-layer non-food packaging for improved mechanical properties and puncture resistance Pipe applications: Multi-layer barrier pipes for floor heating, protective pipes for cables etc Multi-layer composite pipes (metal/plastic) for 100% diffusion tight pipes that are corrosion resistant and function up to 95°C Yparex B.V. was spun off from DSM in 2011.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Yparex-8104-E-Polyolefin-Adhesive-Resin.php](http://www.lookpolymers.com/polymer_Yparex-8104-E-Polyolefin-Adhesive-Resin.php)

| Physical Properties | Metric   | English  | Comments |
|---------------------|--|--|----------|
| Density             | 0.923 g/cc   | 0.0333 lb/in <sup>3</sup>                            | ISO 1183 |
| Melt Flow           | 4.6 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 4.6 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ISO 1133 |

| Thermal Properties    | Metric | English | Comments                 |
|-----------------------|--------|---------|--------------------------|
| Melting Point         | 124 °C | 255 °F  | 10°C/min; ISO 11357-1/-3 |
| Vicat Softening Point | 100 °C | 212 °F  | 50°C/h 10N; ISO 306      |

| Descriptive Properties | Value | Comments       |
|------------------------|-------|----------------|
| Enthalpy of Melting    | 110   | ISO 11357-1/-3 |
| Film Extrusion         | Yes   |                |
| Other Extrusion        | Yes   |                |

## Contact Songhan Plastic Technology Co.,Ltd.

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