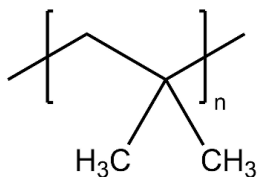




## Technical Data Sheet

|                             |   |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
|-----------------------------|---|-------------|------|-------------------|-----------|----------------------|-----------|----------|-------------|-------------------|-----------------|------------------------|-------|-------------|---|
| <b>MATERIAL:</b>            | Polyisobutylene   |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| <b>CATALOG NUMBER:</b>      | 040D  |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| <b>CAS NUMBER:</b>          | 9003-27-4   |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| <b>DESCRIPTION:</b>         | Homopolymer of isobutylene  |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| <b>FORMULA:</b>             | $(C_4H_8)_x$  |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| <b>TYPICAL PROPERTIES:</b>  | <table><tr><td>Appearance:</td><td>Slab</td></tr><tr><td>Viscosity avg Mw:</td><td>2,800,000</td></tr><tr><td>Intrinsic viscosity:</td><td>3.90-5.05</td></tr><tr><td>Density:</td><td>0.92 (20°C)</td></tr><tr><td>Refractive index:</td><td><math>n_D^{20}</math> 1.51</td></tr><tr><td>Glass transition temp:</td><td>-61°C</td></tr><tr><td>Solubility:</td><td>Non-polar organic solvents (i.e. aliphatic, aromatic, cyclic and halogenated hydrocarbons), THF</td></tr></table> | Appearance: | Slab | Viscosity avg Mw: | 2,800,000 | Intrinsic viscosity: | 3.90-5.05 | Density: | 0.92 (20°C) | Refractive index: | $n_D^{20}$ 1.51 | Glass transition temp: | -61°C | Solubility: | Non-polar organic solvents (i.e. aliphatic, aromatic, cyclic and halogenated hydrocarbons), THF |
| Appearance:                 | Slab  |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| Viscosity avg Mw:           | 2,800,000   |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| Intrinsic viscosity:        | 3.90-5.05   |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| Density:                    | 0.92 (20°C)   |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| Refractive index:           | $n_D^{20}$ 1.51   |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| Glass transition temp:      | -61°C   |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| Solubility:                 | Non-polar organic solvents (i.e. aliphatic, aromatic, cyclic and halogenated hydrocarbons), THF   |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |
| <b>GENERAL INFORMATION:</b> | Typical applications include adhesive formulations, sealants, coating compounds and chewing gum.  |             |      |                   |           |                      |           |          |             |                   |                 |                        |       |             |   |

**STRUCTURE:**

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