

## Addcomp PRIEX® Ionomer 40101 PP homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

Ionomers will be used to strengthen rigidity and hardness while maintaining impact resistance in polyolefins. Maintain adhesion even under contaminated conditions especially in fatty substrates. Reduce thickness in multi-layer films or pipes. Increase elongation resistance in polyolefin fibers. Act as a nucleating agent in polyolefins. Enhance creep resistance in pipes. Reinforce strain hardening in polyolefins. Improve compatibility between different polymers. Increase oxidation resistance in polyolefins. Information provided by Addcomp Polymer Additive Solutions

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Addcomp-PRIEX-Ionomer-40101-PP-homopolymer.php](http://www.lookpolymers.com/polymer_Addcomp-PRIEX-Ionomer-40101-PP-homopolymer.php)

| Mechanical Properties   | Metric          | English         | Comments |
|-------------------------|-----------------|-----------------|----------|
| Tensile Strength, Yield | 41.0 - 44.0 MPa | 5950 - 6380 psi |          |
| Elongation at Break     | 6.0 - 15 %      | 6.0 - 15 %      |          |
| Tensile Modulus         | 2.10 - 2.45 GPa | 305 - 355 ksi   |          |

| Thermal Properties                          | Metric       | English      | Comments |
|---|--------------|--------------|----------|
| Melting Point                               | 162 - 167 °C | 324 - 333 °F |          |
| Crystallization Temperature                 | 116 - 122 °C | 241 - 252 °F |          |
| Deflection Temperature at 0.46 MPa (66 psi) | 127 - 131 °C | 261 - 268 °F |          |

| Descriptive Properties | Value   | Comments |
|------------------------|---------|----------|
| Oxygen induction time  | >60 min |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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