



NETWORK POLYMERS, INC.

**NPP 10-0218
LOW DENSITY
POLYETHYLENE**

| PROPERTIES | ASTM TEST | UNITS ENGLISH METRIC | |
|---|--------------------|----------------------------|------------------------------|
| PHYSICAL | | | |
| Melt Flow Rate - Procedure A Condition E (190° C/2.16 kg) | D -1238 | g/10 min | 2.0 |
| Density | D-1505 | g/cm ³ | 0.918 |
| Haze | D-1003 | | 15.0% |
| IMPACT | | | |
| Impact Strength F50, g | D-1709 | | 130 |
| TENSILE | | | |
| Tensile Strength @ Break Direction of Flow Transverse to Flow | D-638 | psi/ MPa | 2,500 / 17.2 2,200 / 15.2 |
| Elongation @ Break Direction of Flow Transverse to Flow | D-638 | % % | 300 500 |
| FLEXURAL | | | |
| Flexural Modulus Test Method I, Procedure B 1% Secant | D-790 (MD) (TD) | psi MPa | 19,000 / 22,000 131 / 152 |
| THERMAL | | | |
| Low Temperature Brittleness F50 @°C | D-746 | °F °C | <-105 <-76 |
| OPTICAL | | | |
| Gloss @ 45° | D-2457 | | 35.0 |

EGG/9-1-97

The information contained herein is provided for general reference purposes only. Please note that the above information pertains only to natural resins and may change with the addition of colorants or other additives. Network Polymers Inc. makes no guarantee or warranty and does not assume liability with respect to the accuracy or completeness of the information presented, or the product results in any specific instance and hereby expressly disclaims any implied warranties of suitability or fitness for a particular purpose or any other warranties or representations whatsoever expressed or implied. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of patent.