



NETWORK POLYMERS, INC.

**NPP 10-0105
VINYL ACETATE
COPOLYMER**

PELD00105-NAT

| PROPERTIES | ASTM TEST | UNITS ENGLISH METRIC | |
|---|-----------|------------------------|------------------------------|
| PHYSICAL | | | |
| Melt Flow Rate - Procedure A Condition E (190° C/2.16 kg) | D-1238 | g/10 min | 1.0 |
| Density | D-1505 | g/cm ³ | 0.925 |
| Vinyl Acetate Content | | % | 4.6 |
| IMPACT | | | |
| Dart Dart Impact , F50 | D-1709 | gram | 190 |
| TENSILE | | | |
| Tensile Strength @ Break Direction of Flow Transverse to Flow | D-882 | psi/ MPa psi / MPa | 3,760 / 25.9 3,580 / 24.7 |
| Elongation @ Break Direction of Flow Transverse to Flow | D-882 | % % | 180 580 |
| 1% Secant Modulus Direction of Flow Transverse to Flow | D-882 | psi / MPa psi / MPa | 21,200 / 146 24,440 / 168 |
| Tear Resistance Direction of Flow Transverse to Flow | D-1922 | g g | 200 90 |
| THERMAL | | | |
| Vicat Softening Point | D-1525 | °F °C | 192 89 |
| OPTICAL | | | |
| Gloss @ 45° | D-2457 | | 71 |
| Haze | D-1003 | % | 6.4 |

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