



NETWORK POLYMERS, INC.

NPP 25-0103 CF15

**CONDUCTIVE
COPOLYMER
POLYPROPYLENE**

PROPERTIES	ASTM TEST	UNITS ENGLISH METRIC	
PHYSICAL			
Melt Flow, 230°C/10 kg	D-1238	g/10 min	< 1.0
Volume Resistivity	D-257	Ohm-cm	10 ⁴ - 10 ⁶
Surface Resistivity	D-257	Ohm/sq	10 ⁴ - 10 ⁶
Specific Gravity	D-792		1.12
Mold Shrinkage	D-955	in/in cm/cm	0.015 - 0.022 0.015 - 0.022
IMPACT			
Izod Impact, notched 0.125" bar	D-256	ft-lb/in J/m	3.0 160.2
Izod Impact, unnotched 0.125" bar	D-256	ft-lb/in J/m	12.0 640.8
TENSILE			
Tensile Strength @ Yield (chs 2.0 in/min)	D-638	psi MPa	3,000 20.7
Elongation @ Yield (chs 2.0 in/min)	D-638	%	100
FLEXURAL			
Flexural Modulus	D-790	psi MPa	330,000 2,274
Flexural Strength	D-790	psi MPa	5,000 34.4
THERMAL			
Heat Deflection Temperature @ 264 psi	D-648	°F °C	178 81
Coefficient of Linear Thermal Expansion	D-696	in/in/°F x 10 ⁵	3.3

EAP/1-12-07

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.