



NETWORK POLYMERS, INC.

SBS 1031
CLEAR
STYRENE BUTADIENE
COPOLYMER

PROPERTIES	ASTM TEST	UNITS ENGLISH METRIC	
PHYSICAL			
Melt Flow Rate - Procedure A Condition G (200°C/5.0 kg)	D-1238	g / 10 min	9.0
Specific Gravity	D-792		1.01
Shore Hardness, 10 sec	D-2240	Shore D	
Water Absorbtion (24 hrs/73° F)	D-570	%	----
IMPACT			
Izod Impact, notched Test Method A (.125" bar)	D-256	ft-lb/in J/m	0.34 23.2
FLEXURAL			
Flexural Modulus Test Method I, Procedure B (chs 0.05 in/min)	D-790	psi MPa	240,000 1,654
Flexural Strength Test Method I, Procedure B (chs 0.05 in/min)	D-790	psi MPa	5,400 37.2
TENSILE			
Tensile Strength @ Yield (chs 2.0 in/min)	D-638	psi MPa	4,000 27.6
THERMAL			
Heat Deflection Temperature (66 psi, .125" bar)	D-648	°F °C	148 64.2
Vicat Softening Point, 0.125", 1Kg	D-1525	°F °C	195 90.7
MOLD SHRINKAGE			
Mold Shrinkage (Flow Direction)	D-955	in/in	0.002 - 0.006
OPTICAL			
Haze (plaque) Color, Yellowness Index	BAM 1015		≤ 4.0 ≤ 8.4
FDA Status: SBS 1031 complies with 21 CFR 177.1640 for food contact applications			

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