R.V.P.
HANGER TIE MATERIAL

6601 BK **Nylon 66 Injection Grade**

PROPERTY	CONDITIONS	ENGLISH UNITS		SI UNITS		TEST METHOD
		VALUE	UNITS	VALUE	UNITS	
		Properties measured dry as molded				
GENERAL						
Color		**Black**				
Ash		**1.0 max.**		**1.0 max.**		ASTM D5630
Relative Viscosity		**52**		**N/A**		ASTM D789
Moisture		**0.25 max.**	%	**0.25 max.**	%	ASTM D789
Specific Gravity		**1.14**		**1.14**		ASTM D792
Melt Point		**496**	°F	**496**	°C	ASTM D3418
PHYSICAL						
Tensile Strength		**11,000**	psi	**76**	MPa	ASTM D638
Flexural Modulus		**410,000**	psi	**2,827**	MPa	ASTM D790
Elongation at Break		**25**	%	**25**	%	ASTM D638
Izod Impact, notched		**1.0**	ft-lb/in	**53**	J/m	ASTM D256
Linear Mold Shrinkage	Thickness 1/8"	**0.14**	in/in	**0.14**	mm/mm	ASTM D955
Heat Deflection Temp.	66 psi	**428**	°F	**220**	°C	ASTM D648
	264 psi	**149**	°F	**65**	°C	ASTM D648
Flammability		**HB**		**HB**		UL 94
					Date	**12/16/2010**

CTE, linear 20°C Transverse to Flow	100 - 200 µm/m-°C	55.6 - 111 µin/i
CTE, linear 100°C	90 - 105 µm/m-°C	50 - 58.3 µin/i
Specific Heat Capacity	1.6 J/g-°C	0.382 BTU/l
Thermal Conductivity	0.17 - 0.3 W/m-K	1.18 - 2.08 BTU-in/hr-ft
Melting Point	193 - 255 °C	379 - 49
Maximum Service Temperature, Air	40 - 230 °C	104 - 44
Deflection Temperature at 0.46 MPa (66 psi)	50 - 198 °C	122 - 38
Deflection Temperature at 1.8 MPa (264 psi)	40 - 230 °C	104 - 44
Vicat Softening Point	80 - 204 °C	176 - 39
Minimum Service Temperature, Air	-40 - -20 °C	-40 - -
Glass Temperature	60 °C	14
UL RTI, Electrical	65 - 105 °C	149 - 22