



PRELIMINARY DATA SHEET

BLACK NORYL® EN 265, EXTRUDED

Property	Units	Test Method	Typical Average Values
Mechanical			
Specific Gravity, 73° F.	-	ASTM D 792	1.08
Tensile Strength, 73° F.	psi	ASTM D 638	8,300
Tensile Modulus of Elasticity, 73° F.	psi	ASTM D 638	367,000
Tensile Elongation (at break), 73° F.	%	ASTM D 638	23
Flexural Strength, 73° F.	psi	ASTM D 790	12,900
Flexural Modulus of Elasticity, 73° F.	psi	ASTM D 790	397,000
Shear Strength, 73° F.	psi	ASTM D 732	8,300
Compressive Strength, 10% Deformation, 73° F.	psi	ASTM D 695	13,200
Compressive Modulus of Elasticity, 73° F.	psi	ASTM D 695	316,000
Hardness, Rockwell, Scale as noted, 73°F	-	ASTM D 785	M92
Izod Impact (notched), 73° F.	ft.lb./in.	ASTM D256 Type "A"	2.9
Coefficient of Friction (Dry vs. Steel) Dynamic	-	PTM 55007	--
Limiting PV (with 4:1 safety factor applied)	ft.lbs.in. ² min.	PTM 55010	--
K factor		PTM 55100	--
Thermal			
Coefficient of Linear Thermal Expansion (-40°F to 300°F)	in./in./°F	ASTM E-831 (TMA)	3.56 x 10 ⁻⁵
Heat Deflection Temperature 264 psi	°F	ASTM D 648	--
Tg-Glass Transition (amorphous)	°F	ASTM D 3418	284
Melting Point (crystalline) peak	°F	ASTM D 3418	--
Continuous Service Temperature in Air (Max.)(1)	°F	-	200
Thermal Conductivity	BTU in./(hr.ft. ² °F)	-	--