



Data Sheet No: 10502  
Revision: 00  
Effective Date: 7/14/06  
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DATA SHEET			
HDPE BLACK – High Density Polyethylene Black			
Property	Units	Test Method	Typical Average Values
<b>Mechanical</b>			
Specific Gravity, 73° F	-	ASTM D792	.96
Yield Point, 73° F	psi	ASTM D638	4600
Tensile Elongation (at yield), 73° F	%	ASTM D638	14
Tensile Break, 73° F	psi	ASTM D638	4600
Tensile Elongation (at break), 73° F	%	ASTM D638	300
Tensile Modulus of Elasticity, 73° F	psi	ASTM D638	210000
Flexural Modulus of Elasticity, 73° F	psi	ASTM D790	202000
Izod Impact (notched), 73° F	ft.lb./in.	ASTM D256 Type "A"	3
Hardness, Durometer, Shore "D" Scale, 73° F	-	ASTM D2240	70
<b>Thermal</b>			
Heat Deflection Temperature 66 psi	°F	ASTM D648	
Melting Point (crystalline) peak	°F	ASTM D3418	260
Continuous Service Temperature in Air (Max.)(1)	°F	-	180
<b>Electrical</b>			
Volume Resistivity	Ohm -cm	ASTM D257	>10 <sup>15</sup>
Surface Resistivity	Ohm	ASTM D257	>10 <sup>15</sup>
Flammability @ 3.1 mm (1/8 in.) (3)	-	UL94	HB
<b>Miscellaneous</b>			
Water Absorption	% by wt.	ASTM D570(2)	< .01

- (1) Data represent Quadrant's estimated maximum long-term service temperature based on practical field experience.
- (2) Specimens: 1/8" thick x 2" diameter or square.
- (3) **Estimated rating based on available data.** The UL 94 Test is a laboratory test and does not relate to actual fire hazard. Contact Quadrant for specific UL "Yellow Card" recognition number.

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