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## TECHNICAL DATA SHEET

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**MATERIAL:** LINEAR LOW DENSITY POLYETHYLENE

**PROCESSING METHOD:** ROTATIONAL MOLDING

**DESCRIPTION:** A LINEAR MEDIUM DENSITY POLYETHYLENE SELECTED FOR ROTOMOLDING A VARIETY OF OBJECTS. UV STABILIZED PELLETS ARE AVAILABLE IN 35-MESH POWDER AND COMPOUNDED BLACK

**USES:** TYPICAL GENERAL PURPOSE APPLICATIONS INCLUDE TOYS, & OUTDOOR APPLICATIONS SUCH AS PLAYGROUND EQUIPMENT, AND TRASH CONTAINERS.

TYPICAL PROPERTIES	NOMINAL VALUE English Units	NOMINAL VALUE SI Units	TEST METHOD
<b>PHYSICAL</b>			
Melt Flow Rate (190°C/2.16 kg)	6.5 g/10 min	6.5 g/10 min	ASTM D1238
Density (23°C)	0.935 g/cm <sup>3</sup>	0.935 g/cm <sup>3</sup>	ASTM D1505
<b>MECHANICAL</b>			
Tensile Strength @ Yield	2900 psi	20.0 MPa	ASTM D638
Environmental Stress Crack Resistance	>1000 hr	>1000 hr	ASTM D1693
Flexural Modulus (1% Secant)	119,000 psi	820 MPa	ASTM D790
Flexural Modulus (2% Secant)	101,000 psi	700 MPa	ASTM D790
<b>LOW TEMPERATURE IMPACT</b>			
1/8" specimen @ -40 °F	54 ft-lbs	55 J	ARM
1/4" specimen @ -40 °F	160 ft-lbs	215 J	ARM
<b>THERMAL</b>			
Heat Deflection Temperature @ 66 psi	136°F	58°C	ASTM D648
Heat Deflection Temperature @ 264 psi	104°F	40°C	ASTM D648
<b>Note: All properties were derived from compression-molded specimens. Actual properties may vary depending on operating conditions and additive packages. Properties are not intended to be used as specifications.</b>			

Sincerely,

Antek Madison Plastics Corp.  
Quality Control