

**MATERIAL SAFETY DATA FOR  
HDPE**

**1. PRODUCT IDENTIFICATION**

Product Name HDPE  
Finish Smooth  
Characteristics Light weight, low water absorption,  
High Impact strength, good chemical properties  
Chemical Family Polyolefins

**2. MATERIAL PROPERTIES**

Properties	ISO Test Method	Unit	
Density	ISO 1183	g/cm <sup>3</sup>	0.95
Izod Impact Strength (notched)	ISO 179	kJ.m <sup>2</sup>	7
Flexural Strength	ISO 178	MPa	
Tensile Strength	ISO 527	MPa	32
Vicat Softening Temperature (10N)	ISO 306 A	°C	
Heat Deflection Temperature (1.8 Mpa)	ISO 75-1.2	°C	
Flammability Rating	BS476:Part 7	-	UL94