



## TECHNICAL DATA SHEET (TDS)

# HDPE IM8-64 HIGH DENSITY POLYETHYLENE

### **OVERVIEW:**

High stiffness, maximum impact.

Applications: Tote boxes, Beverage crates.

Complies with the specification U.S FDA 21 CFR 177.1520 (c) 2.2

**ADDITIVE:** Processing antioxidant, UV Stabilizer

Properties	Test Method	Units	Nominal Values
Melt Index (190° C/2.16 Kg)	ASTM D1238	g/10 min	8
Density	ASTM D792	g/cm <sup>3</sup>	0.961
<b>Properties</b>			
Tensile strength at yield	ASTM D638	Psi/MPa	4200/29
Elongation	ASTM D638	%	1200
Flexural Modulus	ASTM D790	Psi/MPa	185600/1280
Hardness, Shore D	ASTM D2240		65
Vicat Softening Point	ASTM D1525	°C/°F	129/264
ESCR F50	ASTM D1693	H	<10

Physical properties measured on compression molded specimens

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