



TECHNICAL DATA SHEET (TDS)

HDPE IM10-964 HIGH DENSITY POLYETHYLENE

OVERVIEW:

Superior stiffness for part thin walling and improved snack strength, low viscosity for exceptional processability, shorter cycle times, and energy savings, exceptional physical properties provide impact resistance for demanding applications, low warpage for improved part quality reliability.

Applications: Crates, pallets, totes, pails

Complies with the specifications U.S FDA 21 CFR 177.1520

ADDITIVE:

Processing Antioxidant

Properties	Test Method	Units	Nominal Values
Melt Index (3)	ASTM D1238	g/10min	10
Density	ASTM D792	g/cm ³	0.964
Properties	Typical Values		
Tensile strength at yield (50mm/min)	ASTM D638	Psi/MPa	4,800/33
Tensile strength at Break (50mm/min)	ASTM D638	Psi/MPa	2,900/20
Elongation @break (50 mm/min)	ASTM D638	%	1,250
Flexural Modulus @1%	ASTM F790	Psi/MPa	246,600/1,700
Vicat Softening Point	ASTM D1525	°C/°F	131/268
Hardness, Shore D	ASTM D2240		68

Physical properties measured on compression molded specimens

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