

TECHNICAL DATA SHEET (TDS)

HDPE 10-964 UV HIGH DENSITY POLYETHYLENE

OVERVIEW: Superior stiffness for part thin walling and improved snack strength, low viscosity for exceptional processability, shorter cycles 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: Antioxidant, UV Stabilizer

Properties	Test Method	Units	Nominal Values	
Melt Index (3)	ASTM D1238	g/10min	10	
Density	ASTM D792	g/cm ³	0.964	
Properties			Compression Molded	Injection molded
Tensile strength at yield (50mm/min)	ASTM D638	Psi/MPa	4785/33	3975/27
Tensile strength at Break (50mm/min)	ASTM D638	Psi/MPa	2175/15	2900/20
Elongation @yield (50 mm/min)	ASTM D638	%	7	8
Elongation @break (50 mm/min)	ASTM D638	%	100	1250
Flexural Modulus @1%	ASTM F790	Psi/MPa	246565/1700	188550/1300
Vicat Softening Point	ASTM D1525	°C/°F	131/268	
Hardness, Shore D	ASTM D2240		68	

Physical properties measured on compression molded specimens

The above information is provided in good faith. TRANSAMERICAN POLYMERS CORP. is not responsible for any processing or compounding which may occur to produce finished articles, packaging materials or their components. Further, TRANSAMERICAN POLYMERS CORP. MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, REGARDING THE INFORMATION GIVEN FOR THE PRODUCTS DESCRIBED, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, REPRESENTATIONS AND CONDITIONS, INCLUDING WITHOUT LIMITATION ALL WARRANTIES AND CONDITIONS OF QUALITY, MERCHANTABILITY AND SUITABILITY OR FITNESS FOR PARTICULAR PURPOSE.