



HYPEL® PEHD10/.964

Entec Polymers - High Density Polyethylene

Tuesday, November 5, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Features	• High Density
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.966		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	3920	psi	ASTM D638
Tensile Strength (Break, 73°F)	2900	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	8.0	%	ASTM D638
Flexural Modulus (73°F)	189000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	268	°F	ASTM D1525 ²

Notes

¹ Typical properties: these are not to be construed as specifications.

² Rate A (50°C/h), Loading 1 (10 N)