



HYPEL® PEHD18/.956

Entec Polymers - High Density Polyethylene

Tuesday, November 5, 2019

General Information

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Material Status	• Commercial: Active
Availability	• North America
Features	• Food Contact Acceptable • High Density
Agency Ratings	• FDA 21 CFR 177.1520
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.956		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	4210	psi	ASTM D638
Tensile Strength (Break, 73°F)	4000	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	7.7	%	ASTM D638
Flexural Modulus (73°F)	167000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, 0.250 in	167	°F	ASTM D648
Vicat Softening Temperature	257	°F	ASTM D1525

Notes

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