



HYPEL® PEHD4/.955

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	0.957		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	4.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	3200	psi	ASTM D638
Tensile Elongation (Break, 73°F)	1000	%	ASTM D638
Flexural Modulus (73°F)	125000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	252	°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)