

Hypel® PELD50/.924

Low Density Polyethylene

Entec Polymers

Message:

Hypel® PELD50/.924 is a Low Density Polyethylene material. It is available in North America.

Important attributes of Hypel® PELD50/.924 are:

RoHS Compliant

Food Contact Acceptable

Typical application of Hypel® PELD50/.924: Food Contact Applications

General Information			
Features	Food Contact Acceptable		
	Low Density		
Agency Ratings	FDA 21 CFR 176.170, Table 2, Cond. B		
	FDA 21 CFR 176.170, Table 2, Cond. C		
	FDA 21 CFR 176.170, Table 2, Cond. D		
	FDA 21 CFR 176.170, Table 2, Cond. E		
	FDA 21 CFR 176.170, Table 2, Cond. F		
	FDA 21 CFR 176.170, Table 2, Cond. G		
	FDA 21 CFR 176.170, Table 2, Cond. H		
	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	11.7	MPa	
Break, 23°C	8.96	MPa	
Tensile Elongation (Break, 23°C)	100	%	ASTM D638
Flexural Modulus - 2% Secant (23°C)	345	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.8	°C	ASTM D1525 ¹
NOTE			
1.	Rate A (50°C/h), Loading 1 (10 N)		

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