InnoPlus HD1100J

High Density Polyethylene PTT Chemical Public Company Limited



Product Description

InnoPlus HD1100J and HD1600J are high density polyethylene injection molding grade. They are tailored with narrow molecular weight distribution (MWD) and high flow ability. They have optimum strength property which used for general part, auto part, toy and house ware.

General			
Material Status	 Commercial: Active 		
Availability	Asia Pacific		
Features	Food Contact AcceptableGood Strength	High FlowNarrow Molecular Weight Distribution	
Uses	 Automotive Applications 	 General Purpose 	 Household Goods
Agency Ratings	• FDA 21 CFR 177.1520		
RoHS Compliance	 RoHS Compliant 		
Forms	• Pellets		
Processing Method	Injection Molding		

Nominal Value Unit	Test Method
0.958 g/cm ³	ASTM D1505
18 g/10 min	ASTM D1238
Initial Break	
Nominal Value Unit	Test Method
	ASTM D638
29.4 MPa	
22.6 MPa	
60 %	ASTM D638
981 MPa	ASTM D747
1230 MPa	ASTM D790
Nominal Value Unit	Test Method
39 J/m	ASTM D256
Nominal Value Unit	Test Method
64	ASTM D2240
Nominal Value Unit	Test Method
116 °C	ASTM D1525 3
128°C	ASTM D2117
	0.958 g/cm³ 18 g/10 min Initial Break Nominal Value Unit 29.4 MPa 22.6 MPa 60 % 981 MPa 1230 MPa Nominal Value Unit 39 J/m Nominal Value Unit 64 Nominal Value Unit

Injection	Nominal Value Unit
Rear Temperature	165 to 190 °C
Middle Temperature	165 to 190 °C
Front Temperature	165 to 190 °C
Nozzle Temperature	180 to 195 °C

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

² Complete break

³ Rate A (50°C/h), Loading 1 (10 N)