

Witcom HDPE 2007/492

High Density Polyethylene

Witcom Engineering Plastics B.V.

Message:

Witcom HDPE 2007/492 is a high density polyethylene product. It can be processed by injection molding and is available in Europe.

Features include:

flame retardant/rated flame

Conductivity

Impact resistance

General Information			
Features	Conductivity		
	Impact resistance, high		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	1.0 - 2.5	%	ISO 2577
Water Absorption			ISO 62
Saturated, 23°C	0.020	%	ISO 62
Equilibrium, 23°C, 50% RH	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 20.0	MPa	ISO 527-2
Tensile Strain (Break)	> 500	%	ISO 527-2
Flexural Modulus	800	MPa	ISO 178
Flexural Stress	20.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	40	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength	No Break		ISO 180/1U
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 - 1.0E+4	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		ISO 1210
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Processing (Melt) Temp	180 - 240	°C	
Mold Temperature	20.0 - 60.0	°C	
Injection Rate	Fast		
Back Pressure	0.00 - 1.00	MPa	

Injection instructions

Screw speed: 0.1 - 0.25 m/sInjection pressure: Keep to a minimumHold pressure: Keep to a minimum

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