Ecomass® 1850ZD96

Polyamide 6

Ecomass Technologies

Message:

Ecomass® 1850ZD96 is a Polyamide 6 (Nylon 6) material filled with tungsten. It is available in North America for injection molding.
Important attributes of Ecomass® 1850ZD96 are:
Good Toughness
Non-Toxic
Rigid

General Information			
Filler / Reinforcement	Tungsten		
Features	Good Toughness High Specific Gravity Medium Rigidity Non-Toxic		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	9.98	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	54.5	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	17900	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	80	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	71.1	°C	
1.8 MPa, Unannealed	60.0	°C	
Injection	**Nominal Value**	**Unit**	
Drying Temperature	73.9	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	254 to 288	°C	
Mold Temperature	65.6 to 82.2	°C	

Recommended distributors for this material

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