

EnValoy 3512LGU

PC/ABS



Product Description			
General Purpose PC/ABS Alloy with UV			
General Properties			
Appearance	Black, Natural or Colors		
Processing Methods	Injection Molding		
Applications	Lawn & Garden		
Mechanical Properties	Test Method	English Units	S.I. Units
Tensile Strength @ Yield	ASTM D638	7,400 psi	51 MPa
Tensile Elongation at Break	ASTM D638	50 %	50 %
Flexural Modulus	ASTM D790	305,000 psi	2,103 MPa
Notched Izod Impact (73°F)	ASTM D256	8.0 ft-lb/in	427 J/m
Physical Properties	Test Method	English Units	S.I. Units
Specific Gravity	ASTM D792	1.12 sp gr	1.12 sp gr
Melt Flow 260°C/5.0 kg	ASTM D1238	40.0 g/10min	40.0 g/10min
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.005 - 0.007 in/in	0.127 - 0.178 mm/mm
Thermal Properties	Test Method	English Units	S.I. Units
Heat Deflection Temperature @ 264 psi	ASTM D648	215 °F	102 °C
Injection Molding		Value	
Drying Temperature		220	°F
Drying Time		3.0 - 4.0	hrs
Maximum Drying Time		8.0	hrs
Suggested Maximum Moisture		0.02	%
Rear Barrel Temperatures		460 - 490	°F
Middle Barrel Temperatures		470 - 500	°F
Front Barrel Temperatures		480 - 510	°F
Nozzle Temperature		480 - 520	°F
Melt (processing) Temperatures		460 - 520	°F
Mold Temperatures		90 - 180	°F
Back Pressure		30 - 70	psi

These Data Sheet Values are Typical Values and are not intended for specification purposes. These values should only be used as a guide and no assurances by EnCom, Inc. can be granted that all molded articles will exhibit duplicate properties as those listed above. Each material user should perform their own testing for suitability.

EnCom Polymers, Inc.

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