

# EnVoy 2506UR

PC/ASA



Product Description				
UV Resistant, Impact Modified, Chemically Resistant PC/ASA				
General Properties				
Appearance	Black, Natural or Colors			
Processing Methods	Injection Molding			
Applications	Used in applications requiring UV and chemical resistance			
Mechanical Properties		Test Method	English Units	S.I. Units
Tensile Strength @ Yield	ASTM D638	9,000	psi	62 MPa
Tensile Elongation at Break	ASTM D638	25	%	25 %
Flexural Modulus	ASTM D790	350,000	psi	2,414 MPa
Flexural Strength	ASTM D790	10,000	psi	69 MPa
Notched Izod Impact (73°F)	ASTM D256	9.0	ft-lb/in	481 J/m
Physical Properties		Test Method	English Units	S.I. Units
Specific Gravity	ASTM D792	1.17	sp gr	1.17 sp gr
Melt Flow 260°C/3.8 kg	ASTM D1238	22.0	g/10min	22.0 g/10min
Mold Shrink - Flow: 0.126 in (3.20 mm)	ASTM D955	0.005 - 0.009	in/in	0.127 - 0.229 mm/mm
Flame Rating 0.125	UL 94	HB		HB
Water Absorption	ASTM D570	0.50	%	0.50 %
Thermal Properties		Test Method	English Units	S.I. Units
Heat Deflection Temperature @ 66 psi	ASTM D648	212	°F	100 °C
Heat Deflection Temperature @ 264 psi	ASTM D648	221	°F	105 °C
Injection Molding			Value	
Drying Temperature		220	°F	
Drying Time		4.00	hrs	
Maximum Drying Time		6.0	hrs	
Suggested Maximum Moisture		0.02	%	
Suggested Shot Size		25 - 75	%	
Rear Barrel Temperatures		470 - 510	°F	
Middle Barrel Temperatures		480 - 520	°F	
Front Barrel Temperatures		490 - 530	°F	
Nozzle Temperature		490 - 530	°F	
Melt (processing) Temperatures		500 - 530	°F	
Mold Temperatures		900 - 160	°F	
Back Pressure		25 - 95	psi	
Screw speed		25 - 80	rpm	

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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