

EnDure F530G

Impact modified Flame Retardent PP



Product Description				
Polypropylene, UL94 V0, 5V Rated				
General Properties				
Appearance	Black, Natural or Colors			
Processing Methods	Injection, Profile Extrusion			
Applications	Automotive, HVAC, Lawn & Garden			
Mechanical Properties	Test Method	English Units		S.I. Units
Tensile Strength @ Yield	ASTM D638	7,500	psi	52 MPa
Flexural Modulus	ASTM D790	715,000	psi	4,931 MPa
Notched Izod Impact (73°F)	ASTM D256	3.5	ft-lb/in	187 J/m
Physical Properties	Test Method	English Units		S.I. Units
Specific Gravity	ASTM D792	1.45	sp gr	1.45 sp gr
Melt Flow 230 °C/2.16kg	ASTM D1238	4.0	g/10min	4.0 g/10min
Filler Content		30.0	%	30.0 %
Thermal Properties	Test Method	English Units		S.I. Units
Heat Deflection Temperature @ 66 psi	ASTM D648	290	°F	143 °C
Flammability	Test Method	English Units		S.I. Units
Flame Rating @ 0.6000"	UL94	V2		V2
Flame Rating @ 0.1250"	UL94	V0,5V		V0,5V
Injection Molding		Value		
Rear Barrel Temperatures		350 - 400 °F		
Middle Barrel Temperatures		390 - 450 °F		
Front Barrel Temperatures		390 - 450 °F		
Nozzle Temperature		390 - 450 °F		
Melt (processing) Temperatures		350 - 400 °F		
Mold Temperatures		100 - 150 °F		

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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