

DualPoly 1204U

PP



Product Description					
UV resistant Impact modified PP					
General Properties					
Appearance	Black				
Processing Methods	Injection Molding				
Applications	Automotive, Material Handling, Lawn & Garden				
Mechanical Properties	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	2,100	psi	14	MPa
Tensile Elongation at Break	ASTM D638	>20	%	>20	%
Flexural Modulus	ASTM D790	115,000	psi	793	MPa
Flexural Strength	ASTM D790	3,500	psi	24	MPa
Notched Izod Impact (73°F)	ASTM D256	4.0	ft-lb/in	214	J/m
Physical Properties	Test Method	English Units		S.I. Units	
Specific Gravity	ASTM D792	0.95	sp gr	0.95	sp gr
Melt Flow 230°C/2.16 kg	ASTM D1238	12.0	g/10min	12.0	g/10min
Filler Content		5.0	%	5.0	%
Thermal Properties	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 264 psi	ASTM D648	135	°F	57	°C
Injection Molding		Value			
Suggested Maximum Moisture		0.02	%		
Suggested Shot Size		25 - 75	%		
Rear Barrel Temperatures		350 - 400	°F		
Middle Barrel Temperatures		360 - 410	°F		
Front Barrel Temperatures		370 - 420	°F		
Nozzle Temperature		370 - 420	°F		
Melt (processing) Temperatures		380 - 420	°F		
Mold Temperatures		90 - 160	°F		
Back Pressure		25 - 100	psi		
Screw speed		Slow - Medium	rpm		
Vent Depth		0.0010 - 0.0015	in		

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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