

Product Description

PP

Special Characteristics

- Super High Impact QuadPolymer

General Properties

Appearance	Black, Natural or Colors
Processing Methods	Injection, Profile Extrusion, Thermoforming, Molding
Applications	Automotive, FDA, Business Equip., Material Handling, Lawn & Garden

Mechanical Properties

	Test Method	English Units		S.I. Units	
Tensile Strength @ Yield	ASTM D638	4,350	psi	30	MPa
Tensile Strength @ Break	ASTM D638	2,600	psi	18	MPa
Tensile Elongation at Break	ASTM D638	50	%	50	%
Flexural Modulus	ASTM D790	235,000	psi	1,621	MPa
Notched Izod Impact (73°F)	ASTM D256	No Break	ft-lb/in	No Break	J/m

Physical Properties

	Test Method	English Units		S.I. Units	
Melt Flow	ASTM D1238	2.0	g/10min	2.0	g/10min
Rockwell Hardness (R-Scale)	ASTM D785	97 R		97 R	

Thermal Properties

	Test Method	English Units		S.I. Units	
Heat Deflection Temperature @ 66 psi	ASTM D648	243	°F	117	°C

Injection Molding

	Value	
Drying Temperature	200	°F
Drying Time	2.0 - 4.0	hrs
Suggested Maximum Moisture	0.02	%
Rear Barrel Temperatures	370 - 420	°F
Middle Barrel Temperatures	390 - 450	°F
Front Barrel Temperatures	390 - 450	°F
Nozzle Temperature	380 - 440	°F
Melt (processing) Temperatures	400 - 500	°F
Mold Temperatures	65 - 130	°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.