AuroraGuard™ PPDP01-NA

Aurora Material Solutions, LLC - *Polypropylene*

General Information

Product Description			
Super High Impact Formerly known as EnPure PPDP01-NA			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Ultra High Impact Resistance		
Uses	• Automotive Applications	• Business Equipment	• Lawn & Garden Equipment
Agency Ratings	• FDA		
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding	• Profile Extrusion	• Thermoforming

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	4350	psi	ASTM D638
Tensile Strength (Break)	2600	psi	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	235000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	No Break		ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	97		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	243	°F	ASTM D648

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature	200	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	370 to 420	°F
Middle Temperature	390 to 450	°F
Front Temperature	390 to 450	°F
Nozzle Temperature	380 to 440	°F
Processing (Melt) Temp	400 to 500	°F
Mold Temperature	65 to 130	°F

Notes

[1] Typical properties: these are not to be construed as specifications.