Nylene® RD928

Polymeric Resources Corporation (PRC) - *Polyamide 6*

General Information

Product Description	
Specifically Controlled, High Amine End Group, Nylon 6	
General	
Material Status	• Commercial: Active
Availability	• North America
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity	1.13		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 73°F)	10400	psi	ASTM D638
Tensile Elongation (Break)	> 10	%	ASTM D638
Flexural Modulus	380000	psi	ASTM D790
Flexural Strength	8990	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, 0.125 in)	0.81	ft·lb/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed, 0.125 in)	351	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed, 0.125 in)	129	°F	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.12 in)	HB		UL 94

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	2.0E-3	%
Rear Temperature	460 to 520	°F
Middle Temperature	460 to 520	°F
Front Temperature	460 to 520	°F
Nozzle Temperature	460 to 520	°F
Processing (Melt) Temp	460 to 520	°F
Mold Temperature	81 to 460	°F
Back Pressure	50.0 to 100	psi

Notes

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