

NYLENE® 307 HS

PA6

Polymeric Resources Corporation

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	2517	MPa	ASTM D 790
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ASTM Data			
Melting Temperature	218	°C	ASTM D 3418
Other properties	Value	Unit	Test Standard
Density	1120	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	66 - 82	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	238 - 271	°C	-
Mold temperature	49 - 93	°C	-
Zone 1	221 - 249	°C	-
Zone 2	227 - 260	°C	-
Zone 3	238 - 271	°C	-
Nozzle temperature	238 - 271	°C	-
Injection pressure	4 - 12	MPa	-
Back pressure	0 - 50	MPa	-
Holding pressure	3 - 9	MPa	-
Maximum residence time	6	min	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

North America