



Americas: COMMERCIAL

Automotive: High heat resistance. Excellent flow/impact balance. UL94 HB rated. High gloss.

Property

Value	Unit	Standard
41	MPa	ASTM D 638
2060	MPa	ASTM D 638
68	MPa	ASTM D 790
2130	MPa	ASTM D 790
105	-	ASTM D 785
Value	Unit	Standard
320	J/m	ASTM D 256
85	J/m	ASTM D 256
Value	Unit	Standard
97	°C	ASTM D 648
85	°C	ASTM D 648
90	°C	ASTM D 648
9.18E-05	1/°C	ASTM E 831
60	°C	UL 746B
60	°C	UL 746B
60	°C	UL 746B
Value	Unit	Standard
1.04	-	ASTM D 792
0.5 - 0.8	%	SABIC Method
1.5	g/10 min	ASTM D 1238
2250	poise	ASTM D 3825
Value	Unit	Standard
6	PLC Code	ASTM D 495
3	PLC Code	UL 746A
2	PLC Code	UL 746A
0	PLC Code	UL 746A
0	PLC Code	UL 746A
Value	Unit	Standard
1.47	mm	UL 94
	41 2060 68 2130 105 Value 320 85 97 85 97 85 90 9.18E-05 60 60 1.04 0.5 - 0.8 1.5 2250 Value 6 33 2 0	41 MPa 2060 MPa 68 MPa 105 - 105 - Value Unit 320 J/m 85 J/m 97 °C 85 °C 97 °C 90 °C 918E-05 1/°C 60 °C 90.18E-05 1/°C 60 °C 90.5 °C 918E-05 1/°C 60 °C 90.5 0°C 918E-05 1/°C 90.6 °C 90.7 °C 90.8 °C 90.9 °C 90.0 °C 90.0 °C 91.0 °C 92 90.0 93 °C 94 60 1.04 - 9250 poise Value Unit 93 PLC Code 9

Processing

Parameter		
Injection Molding	Value	Unit
Drying Temperature	90 - 95	°C
Drying Time	2 - 4	hrs
Drying Time (Cumulative)	8	hrs
Maximum Moisture Content	0.01	%
Melt Temperature	230 - 275	°C

Nozzle Temperature	230 - 275	°C	
Front - Zone 3 Temperature	230 - 255	°C	
Middle - Zone 2 Temperature	210 - 225	°C	
Rear - Zone 1 Temperature	195 - 210	°C	
Mold Temperature	50 - 80	°C	
Back Pressure	0.3 - 0.7	MPa	
Screw Speed	30 - 60	rpm	
Shot to Cylinder Size	50 - 70	%	
Vent Depth	0.038 - 0.051	mm	

Source GMD, last updated:12/29/1999

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR (LOCAL SALES OFFICE) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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