

Hybrid S459

(PC+ABS)

Ravago Manufacturing Americas

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	2.4	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	2.7	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Yield stress	52	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus, 23°C	2250	MPa	ISO 178
Izod notched impact strength, +23°C	39	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	52.4	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2340	MPa	ASTM D 790
Izod Impact notched, 1/8 in	560	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	103	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	122	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	120	°C	ASTM D 648
DTUL @ 264 psi	100	°C	ASTM D 648
Other properties			
Density	1110	kg/m ³	ISO 1183
Water Absorption, 24hr	0.09	%	ASTM D 570
Density	1110	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

Automotive, General Purpose

Delivery form

Pellets

Regional Availability

North America