

Hybrid S493

PC

Ravago Manufacturing Americas

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	13.8	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	13	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Yield stress	46	MPa	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Izod notched impact strength, +23°C	18	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	42.7	MPa	ASTM D 638
Flexural Modulus	2520	MPa	ASTM D 790
Flexural Strength	77.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	250	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	91	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	92	°C	ASTM D 648
Vicat Temperature	104	°C	ASTM D 1525
Other properties			
Density	1060	kg/m ³	ISO 1183
Density	1060	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

North America