

Hybrid S555

(PC+ABS)

Ravago Manufacturing Americas

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	24	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	21	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Yield stress	62	MPa	ISO 527
Strain at break	48	%	ISO 527
Flexural modulus, 23°C	2550	MPa	ISO 178
Izod notched impact strength, +23°C	44	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	63.4	MPa	ASTM D 638
Elongation at Break	45	%	ASTM D 638
Flexural Modulus	2550	MPa	ASTM D 790
Flexural Strength	84.1	MPa	ASTM D 790
Izod Impact notched, 1/8 in	640	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	91	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	105	°C	ISO 75-1/-2
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.5	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	107	°C	ASTM D 648
DTUL @ 264 psi	93.9	°C	ASTM D 648
Vicat Temperature	110	°C	ASTM D 1525
Other properties			
Density	1180	kg/m ³	ISO 1183
Density	1180	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Delivery form

Pellets

Regional Availability

North America