

Hylac® FR103

ABS

Ravago Manufacturing Americas

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	35	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	3.2	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	2480	MPa	ASTM D 638
Tensile Strength at Yield	36.5	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Flexural Modulus	1930	MPa	ASTM D 790
Rockwell Hardness	R 96	-	ASTM D 785
Izod Impact notched, 1/8 in	140	J/m	ASTM D 256
Izod Impact notched, 1/4 in	120	J/m	ASTM D 256
Thermal properties			
ASTM Data			
Coefficient of Thermal Expansion, MD	120	E-6/K	ASTM D 696
DTUL @ 66 psi	88.9	°C	ASTM D 648
DTUL @ 264 psi	78.9	°C	ASTM D 648
Vicat Temperature	97.2	°C	ASTM D 1525
Electrical properties			
ASTM Data			
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Other properties			
Density	1190	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America