

Product Texts

Polyamide 6, impact modified prime quality compound available in custom colors, also available heat stabilized (H) and UV stabilized (UV), improved processability.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	45	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
ASTM Data			
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955
Mechanical properties			
ISO Data	Value	Unit	Test Standard
Yield stress	75	MPa	ISO 527
Stress at break	70	MPa	ISO 527
Strain at break	55	%	ISO 527
Flexural modulus, 23°C	2800	MPa	ISO 178
Flexural strength	100	MPa	ISO 178
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	5.5	kJ/m ²	ISO 180/1A
Izod notched impact strength	4	kJ/m ²	ISO 180/1A
Temperature	-30	°C	-
Thermal properties			
ISO Data	Value	Unit	Test Standard
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	75	°C	ISO 75-1/-2
Vicat softening temperature, B	200	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-
Glow Wire Ignition Temperature (GWIT)	35	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.2	mm	-
Electrical properties			
ISO Data	Value	Unit	Test Standard
Electric strength	18	kV/mm	IEC 60243-1
Comparative tracking index	600	-	IEC 60112
Other properties			
Value	Unit	Test Standard	
Density	1110	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	75	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.12	%	-
Melt temperature	240 - 270	°C	-
Mold temperature	70 - 90	°C	-
Zone 1	220 - 230	°C	-
Zone 2	230 - 245	°C	-
Zone 3	250 - 260	°C	-

RAVAMID® R200F T50

PA6

Ravago Group

Nozzle temperature	250 - 260	°C	-
Screw speed	50 - 80	rpm	-
Back pressure	0.4 - 0.8	MPa	-
Holding pressure	6 - 8	MPa	-

Characteristics**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

Europe