Karilen-PR X 7920 TUSR

PP-T20 Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**18**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**1.0**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**1900**	MPa	ISO 527
Tensile Strength	**20**	MPa	ISO 527
Yield stress	**6**	MPa	ISO 527
Charpy notched impact strength, +23°C	**22**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**3**	kJ/m²	ISO 179/1eA
ASTM Data			
Shore D Hardness	**65**	-	ASTM D 2240

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	**90**	°C	ISO 75-1/-2

Electrical properties	Value	Unit	Test Standard
Other Standards[S]			
Volume resistivity	**1E12**	Ohm*m	Producer Method
Surface resistivity	**1E14**	Ohm	DIN 53482

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Density	**1040**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Processing humidity	**≤0.1**	%	-
Mold temperature	**30 - 70**	°C	-
Feed temperature	**60 - 70**	°C	-
Zone 1	**200 - 230**	°C	-
Zone 2	**200 - 230**	°C	-
Zone 3	**200 - 250**	°C	-

Characteristics

Processing
Injection Molding, Other Extrusion

Delivery form
Black

Special Characteristics
U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features
Scratch Resistant

Certifications
Recycled Resin Content

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa