RamTal PM7509BK11B

POM — Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**10**	g/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**1.9**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2900**	MPa	ISO 527
Tensile Strength	**64**	MPa	ISO 527
Yield stress	**8.5**	MPa	ISO 527
Flexural modulus, 23°C	**2600**	MPa	ISO 178
Flexural strength	**90**	MPa	ISO 178
Izod notched impact strength, +23°C	**7**	kJ/m²	ISO 180/1A

Other properties	Value	Unit	Test Standard
Water absorption	**0.8**	%	Sim. to ISO 62
Humidity absorption	**0.2**	%	Sim. to ISO 62
Density	**1410**	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	**≤0.15**	%	-
Mold temperature	**60 - 90**	°C	-
Feed temperature	**60 - 70**	°C	-
Zone 1	**170 - 180**	°C	-
Zone 2	**180 - 190**	°C	-
Zone 3	**180 - 190**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Black

Special Characteristics
U.V. stabilized or stable to weather

Certifications
RoHS compliant

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

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