

RamSter PF811RD51

PBT

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
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Other Standards ^{S1}			
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Molding shrinkage, parallel	1.8	%	Producer Method
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S: These properties are reported by the producer according standards that are different to our defaults.

Mechanical properties	Value	Unit	Test Standard
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ISO Data			
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Tensile Modulus	1530	MPa	ISO 527
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Tensile Strength	34	MPa	ISO 527
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Yield strain	5.3	%	ISO 527
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Izod notched impact strength, +23°C	50	kJ/m ²	ISO 180/1A
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ASTM Data			
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Izod Impact notched, 1/8 in	710	J/m	ASTM D 256
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Thermal properties	Value	Unit	Test Standard
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ISO Data			
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Burning behav. at thickness h	HB	class	IEC 60695-11-10
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Thickness tested	3.0	mm	-
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Other properties	Value	Unit	Test Standard
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Water absorption	0.4	%	Sim. to ISO 62
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Humidity absorption	0.2	%	Sim. to ISO 62
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Density	1220	kg/m ³	ISO 1183
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Processing Recommendation Injection Molding	Value	Unit	Test Standard
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Pre-drying - Temperature	120	°C	-
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Pre-drying - Time	3 - 4	h	-
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Processing humidity	≤0.02	%	-
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Mold temperature	50 - 80	°C	-
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Feed temperature	40 - 60	°C	-
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Zone 1	230 - 250	°C	-
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Zone 2	240 - 255	°C	-
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Zone 3	245 - 260	°C	-
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Characteristics**Processing**

Injection Molding

Certifications

RoHS compliant

Special Characteristics

High impact or impact modified

Regional Availability

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