

DURACON® WR-01

POM

Polyplastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	2.2	%	ISO 294-4, 2577
Molding shrinkage, normal	2.0	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Tensile Strength	58	MPa	ISO 527
Nominal strain at break	38	%	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	76	MPa	ISO 178
Charpy notched impact strength, +23°C	5.6	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 80	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	78	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E11	Ohm*m	IEC 62631-3-1
Surface resistivity	5E13	Ohm	IEC 62631-3-2
Electric strength	19	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	1410	kg/m ³	ISO 1183

Characteristics**Regional Availability**

Asia Pacific