

**DURACON® AW-09**

(POM+PE)

Polyplastics

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>2.5</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-
Melt flow index, MFI	<b>3</b>	g/10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-
Molding shrinkage, parallel	<b>2.6</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>2.2</b>	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>2200</b>	MPa	ISO 527
Tensile Strength	<b>54</b>	MPa	ISO 527
Nominal strain at break	<b>30</b>	%	ISO 527
Flexural modulus, 23°C	<b>2050</b>	MPa	ISO 178
Flexural strength	<b>70</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>8</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>M 70</b>	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>70</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>130</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>130</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>HB</b>	class	IEC 60695-11-10
Yellow Card available	<b>yes</b>	-	-

Other properties	Value	Unit	Test Standard
Density	<b>1370</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Features**

Tribologic Grade

**Regional Availability**

Asia Pacific