

TECHNICAL DATA SHEET

DURACON® AW-01LV

Polyplastics
(POM+PE)

Processing/Physical Characteristics	Value	Unit	Standard
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Melt flow index, MFI	9	g/10min	ISO 1133
Temperature	190	°C	
Load	2.16	kg	
Molding shrinkage, parallel	2.3	%	ISO 294-4, 2577
Molding shrinkage, normal	2	%	ISO 294-4, 2577
Mechanical Properties	Value	Unit	Standard
Tensile modulus	2250	MPa	ISO 527
Tensile strength	52	MPa	ISO 527
Nominal strain at break	25	%	ISO 527
Poisson's ratio	0.35		ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	73	MPa	ISO 178
Charpy notched impact strength, +23°C	4.7	kJ/m ²	ISO 179/1eA
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	80	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	130	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Yellow card available	yes		
Other Properties	Value	Unit	Standard
Density	1370	kg/m ³	ISO 1183