

**DURACON® SW-41**

(POM+PE)-MD20

Polyplastics

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	1.9	cm <sup>3</sup> /10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Melt flow index, MFI	2.5	g/10min	ISO 1133
Temperature	190	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	5300	MPa	ISO 527
Tensile Strength	59	MPa	ISO 527
Strain at break	3.5	%	ISO 527
Flexural modulus, 23°C	4900	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Charpy notched impact strength, +23°C	1.9	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	M 75	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	105	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	50	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	120	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Yellow Card available	yes	-	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	3E11	Ohm*m	IEC 62631-3-1
Surface resistivity	2E14	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1510	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Features**

Tribologic Grade

**Regional Availability**

Asia Pacific