DURACON® SX-35

POM — Polyplastics

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**5.6**	cm³/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
Melt flow index, MFI	**6**	g/10min	ISO 1133
Temperature	**190**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**1.3**	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.3**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**900**	MPa	ISO 527
Tensile Strength	**26**	MPa	ISO 527
Nominal strain at break	**25**	%	ISO 527
Flexural modulus, 23°C	**800**	MPa	ISO 178
Flexural strength	**32**	MPa	ISO 178
Charpy notched impact strength, +23°C	**10**	kJ/m²	ISO 179/1eA
Rockwell hardness	**M 35**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**69**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**100**	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**150**	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
ISO Data			
Volume resistivity	**9E9**	Ohm*m	IEC 62631-3-1
Surface resistivity	**3E13**	Ohm	IEC 62631-3-2
Electric strength	**25**	kV/mm	IEC 60243-1

Other properties	Value	Unit	Test Standard
Density	**1240**	kg/m³	ISO 1183

Characteristics

Regional Availability

Asia Pacific