Technical Data Sheet

SCHULAREC PC/ABS 42/01 - C

Polycarbonate + ABS

Product Description	
Recycled PC/ABS produced from Post Consumer sources. PC/ABS 42/01 is suitable for injection moulding applications.	
General	
Features	• General Purpose
Uses	• Audio Tapes • General Purpose

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.14 g/cm³	1.14 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	20 to 30 g/10 min	20 to 30 g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70 %	0.40 to 0.70 %	
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	319000 psi	2200 MPa	ISO 527-2
Tensile Stress (Yield)	7250 psi	50.0 MPa	ISO 527-2
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength	12 to 17 ft·lb/in²	25 to 35 kJ/m²	ISO 179
Notched Izod Impact Strength	12 ft·lb/in²	25 kJ/m²	ISO 180
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Vicat Softening Temperature	230 to 257 °F	110 to 125 °C	ISO 306/B50
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302

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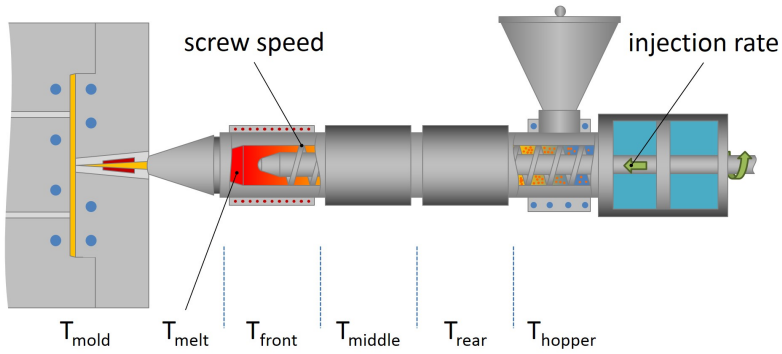

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 to 230 °F	100 to 110 °C
Drying Time	4.0 hr	4.0 hr
Suggested Max Moisture	0.02 %	0.02 %
Suggested Max Regrind	20 %	20 %
Processing (Melt) Temp	500 to 536 °F	260 to 280 °C
Mold Temperature	158 to 212 °F	70 to 100 °C

Notes

These are typical property values not to be construed as specification limits.