

POLYshine PBT D401 R

PBT

Polykemi AB

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage, normal	1.9	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	1.9	mm/mm	ASTM D 955
Mold Shrinkage, TD	1.9	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Strength	55	MPa	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	65	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	165	°C	ISO 75-1/-2
Vicat softening temperature, B	178	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Other properties			
Density	1310	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Granules

Regional Availability

Europe, Asia Pacific