"TORAY"
Innovation by Chemistry

TOYOLAC™

Toyolac™ 520 X17
ABS

TECHNICAL DATA

Product Description

Abrasion resistant

Uses	• Camera Applications	• Structural Parts	• Video Equipment
Processing Method	• Injection Molding		
ISO Designation	• >ABS<		
Type	• ABS/Special purpose		

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.07	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	19	g/10 min	ISO 1133
Molding Shrinkage [1]	0.40 to 0.60	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (23°C)	55	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	6.0	%	ISO 527-2
Flexural Modulus (23°C)	2690	MPa	ISO 178
Flexural Stress (23°C)	84	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 23°C)	116		ISO 2039-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	83	°C	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating [2] (1.5 mm, Equivalent)	HB		Internal Method

Notes

[1] 23°C/50%RH

[2] UL94

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