

DURANEX® 652SA

Polyplastics - Acrylonitrile Butadiene Styrene + PBT

General Information

Product Description

Low Warpage, SA Series

Mineral Reinforced, Low Density, High Sliding

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Mineral		
Additive	• Flame Retardant		
Features	• Flame Retardant	• Low Friction	
	• Low Density	• Low Warpage	
UL File Number	• E213445		
Forms	• Pellets		
Processing Method	• Injection Molding		
Part Marking Code (ISO 11469)	• >PBT+ABS-(PS+MD)20 FR(17)<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	7400	psi	ISO 527-2
Tensile Strain (Break)	3.3	%	ISO 527-2
Flexural Modulus	798000	psi	ISO 178
Flexural Stress	13800	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.4	ft·lb/in ²	ISO 179/1eA
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	70		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	4.4E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	4.4E-5	in/in/°F	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-1		UL 94
Additional Information	Nominal Value	Unit	Test Method
Color Number	EF2001/ED3002		

Notes

¹ Typical properties: these are not to be construed as specifications.

