

ColorFast® TPU950
Americhem - Thermoplastic Polyurethane Elastomer (Polyether)
General Information
Product Description

Polyether-based thermoplastic polyurethane with a shore hardness of 50D

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Excellent Colorability		
Uses	• Consumer Applications	• Industrial Applications	• Industrial Parts
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.15		ASTM D792
Molding Shrinkage - Flow (0.125 in)	8.0E-3	in/in	ASTM D955
Mechanical			
Flexural Modulus	16500	psi	ASTM D790
Elastomers			
Tensile Strength	7300	psi	ASTM D412
Tensile Elongation (Break)	470	%	ASTM D412
Hardness			
Durometer Hardness (Shore D)	50		ASTM D2240

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	200 to 220	°F
Drying Time	2.0	hr
Rear Temperature	385 to 410	°F
Middle Temperature	390 to 410	°F
Front Temperature	390 to 410	°F
Nozzle Temperature	395 to 420	°F
Processing (Melt) Temp	395 to 420	°F
Mold Temperature	70 to 120	°F
Back Pressure	800	psi
Screw Speed	40 to 80	rpm

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