

ColorFast® TPEU9500-85A
Americhem - Thermoplastic Polyurethane Elastomer (Polyether)
General Information
Product Description

Aromatic polyether-based thermoplastic polyurethane

General

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

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.12		ASTM D792
Molding Shrinkage - Flow	8.0E-3	in/in	ASTM D955
Mechanical			
Flexural Modulus	3900	psi	ASTM D790
Elastomers			
Tensile Strength (Yield)	5600	psi	ASTM D412
Tensile Elongation (Break)	590	%	ASTM D412
Hardness			
Durometer Hardness (Shore A)	85		ASTM D2240

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	200 to 220	°F
Drying Time	2.0	hr
Rear Temperature	350 to 380	°F
Middle Temperature	360 to 390	°F
Front Temperature	360 to 400	°F
Nozzle Temperature	365 to 400	°F
Processing (Melt) Temp	380 to 410	°F
Mold Temperature	60 to 110	°F
Back Pressure	800	psi
Screw Speed	40 to 80	rpm

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