

**ColorFast® TPEU9000-65A**
*Americhem - Thermoplastic Polyurethane Elastomer (Polyether)*
**General Information**
**Product Description**

injection molding grade, easy flowing, very good hydrolysis and good microbial and abrasion resistance

**General**

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

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.09		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3630	psi	ASTM D412
Tensile Strength	7300	psi	ASTM D412
Tensile Elongation (Break)	880	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	65		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	271	°F	ASTM D1525

**Processing Information**

Injection	Nominal Value	Unit
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**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
