

TES J-1200/10/FD

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

Molding Parameters:

For 2-zone machines, the rear temperature is 450-520°F, and the front temperature is 420-470°F.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Agency Ratings	• FDA
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	600000	psi	ASTM D638
Tensile Strength (Break, 73°F)	9000	psi	ASTM D638
Flexural Modulus (73°F)	550000	psi	ASTM D790
Flexural Strength (Break, 73°F)	13000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.3	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	212	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	160	°F
Drying Time	1.0	hr
Rear Temperature	420 to 450	°F
Middle Temperature	430 to 460	°F
Front Temperature	410 to 430	°F
Nozzle Temperature	390 to 430	°F
Processing (Melt) Temp	450 to 500	°F
Mold Temperature	160 to 190	°F

Notes

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

