TES J-71/20/VO/ND

Techmer Polymer Modifiers - *Polyamide + SAN*

General Information

Product Description

Molding Parameters:
The dry temperature at 16 hours is 165°F.
For 2-zone machines, the rear temperature is 510-540°F, and the front temperature is 500-530°F.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber		
Additive	• Flame Retardant		
Features	• Flame Retardant		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.45		ASTM D792
Molding Shrinkage - Flow (0.125 in)	1.6E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.43	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	1.43E+6	psi	ASTM D638
Tensile Strength (Break, 73°F)	15600	psi	ASTM D638
Tensile Elongation (Break, 73°F)	1.8	%	ASTM D638
Flexural Modulus (73°F)	1.15E+6	psi	ASTM D790
Flexural Strength (Break, 73°F)	23800	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, 0.125 in)	1.0	ft·lb/in	ASTM D256
Unnotched Izod Impact (73°F, 0.125 in)	5.0	ft·lb/in	ASTM D4812
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (M-Scale)	90		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	350	°F	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 in)	V-0		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	490 to 520	°F
Middle Temperature	520 to 550	°F
Front Temperature	500 to 540	°F
Nozzle Temperature	480 to 550	°F
Processing (Melt) Temp	480 to 530	°F
Mold Temperature	140 to 180	°F