

Product Texts

Nonbrominated, nonchlorinated, flame retarded. Improved productivity and reliability. 252F HDT. UL94 V-0 rated. Electrical applications.

UL Yellow Card Link [E45587-237097](https://www.ul.com/yellow-card/E45587-237097)

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	75	MPa	ASTM D 638
Tensile Strength at Break	55	MPa	ASTM D 638
Elongation at Yield	9.5	%	ASTM D 638
Elongation at Break	18	%	ASTM D 638
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1120	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.5	mm	-
ASTM Data			
Vicat Temperature	150	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	18.8	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.0052	-	ASTM D 150
Dissipation Factor, 1 MHz	0.0026	-	ASTM D 150
Dielectric Constant, 60 Hz	2.57	-	ASTM D 150
Dielectric Constant, 1 MHz	2.49	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	105 - 110	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	275 - 305	°C	-
Mold temperature	70 - 100	°C	-
Zone 1	245 - 295	°C	-
Zone 2	255 - 300	°C	-
Zone 3	265 - 305	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Applications

Automotive

Additives

Flame retarding agent

Regional Availability

Asia Pacific

Special Characteristics

Flame retardant