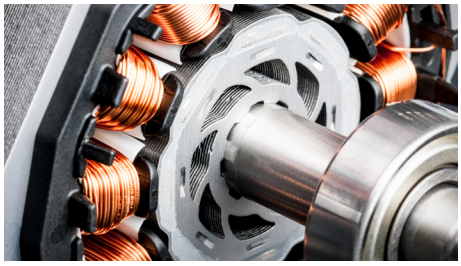
SOLUTION SHOWCASE

Celanese

CELANESE PORTFOLIO OF ROBUST SOLUTIONS ENABLES SAFE AND RELIABLE ELECTRICAL INSULATION SYSTEM COMPONENTS



HIGH-QUALITY INSULATION MATERIALS ARE CRUCIAL

Most people do not realize the variety of components and materials used in everyday electronics and electrical systems. Any device, appliance, machine, or electrical system we power on has intricate components like switches, relays, solenoids, motors, or transformers. Celanese understands that the materials used to make these components are crucial for safety and reliability.

Electronic insulation materials are specially designed to remain chemically compatible over a wide range of temperatures, be heat resistant, and reduce risk of electrical failure or fire hazards. Customers depend on Celanese for versatile and reliable materials to help ensure that the devices and systems that power our homes, workplaces, and cities are reliable and safe.

CELANESE PRE-TESTED SOLUTIONS

Electrical Insulation Systems (EIS) are made up of Electrical Insulation Materials (EIM) that are validated through UL and IEC testing to verify chemical compatibility at a wide temperature range. This makes sure that the materials are able to reduce the risks of electrical failure or fire hazards.

With over 400 pre-approved EIMs, Celanese helps customers ensure reliability and safety of components, speed up product launch time, and reduce product testing cost.

Celanese's portfolio includes some of the most trusted brands and well-known products on the market. Crastin® PBT, Rynite® PET, and Zytel® PA have helped set the industry standard for superior chemical compatibility and ability to withstand high temperatures for a variety of EIS components.

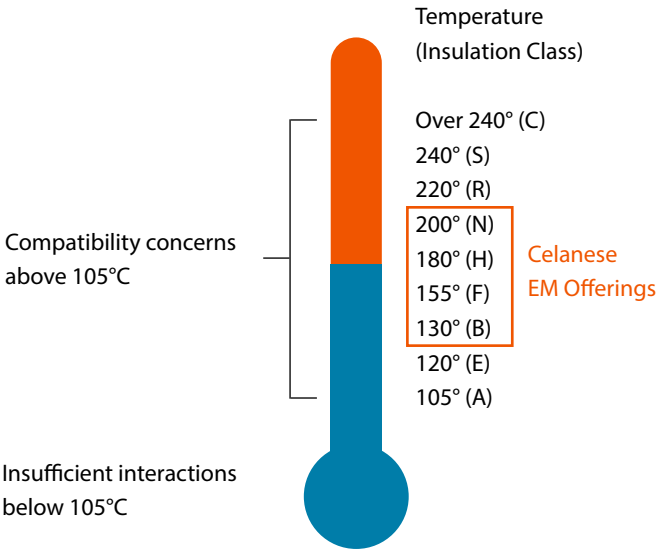
CELANESE KEY SOLUTIONS

With a robust portfolio of thermoplastics and nylon resins, Celanese is ready to partner with manufacturers and suppliers to create reliable and safe electrical components.

		MW26, MW28	MW26, MW80	MW35
Application	Materials	Class 130 (B)	Class 155 (F)	Class 180 (H)
Transformer, Invertors, SMPS – Bobbins	Rynite® PET FR530/FR543/ FR945	R150	R250	R340
	Zytel® PA 101L	Z150	Z200	
	Zytel® HTN FR52G30BL	LZ100	LZ200	
Motor	Zytel® PA 103HSL/70G33HS1L	Z150	Z200	
	Crastin® PBT T845FR	C190	C200	
Solenoid	Rynite® PET 530/ FR530/815ER/830ER	E102N	E200N	E300N
	Zytel® PA 70G33L/FR50	Z110E	Z250	
	Zytel® HTN 51G35HSL	Z180E		
Relay	Rynite® PET FR530/FR531	R150	R250	R380
Non-Halogen (New EIS)	Rynite® PET FR533NH/FR530 Zytel® HTNFR52G30NH Zytel® PA FR50 Zytel® PA FR95G25V0NH	RZ110	RZ200	

UL 1446 / IEC 85 ENCAPSULATED INSULATION SYSTEMS

SYSTEM	CLASS	BOBBIN	ENCAPSULANT	MAGNET WIRE
E101	130ºC/ CLASS B	Rynite® PET FR530 Rynite® PET FR530L	Rynite® PET FR530 Rynite® PET FR530L	MW 28,75,79,80
E101N	130ºC/ CLASS B	Rynite® PET FR530	Rynite® PET FR530	MW 28,75,79,80
Z180E	130ºC/ CLASS B	Zytel® HTN51G35HSL	Zytel® HTN51G35HSL	MW 28,75,79,80
E200	155ºC/ CLASS F	Rynite® PET FR530 Rynite® PET FR530L	Rynite® PET 815 ER	MW 79,80,82,83
E200N	155ºC/ CLASS F	Rynite® PET FR530 Rynite® PET FR530L	Rynite® PET 815 ER	MW 79,80,82,83
E300	180ºC/ CLASS H	Rynite® PET 530HTE Rynite® PET 830HR	Rynite® PET 530HTE Rynite® PET 830ER	MW 35,73,74



CUSTOMIZED SOLUTIONS

Celanese has 10 major Research & Development Centers around the globe where we collaborate with OEM and supplier customers on customized solutions for electrical insulation materials and systems. Ask how our application development engineers and specialists can help you develop durable, high-performing, and innovative electronic components.

Form No. 001-20650-HMC0123