CUYAHOGA PLASTICS

THERMOSET MOLDING COMPOUNDS

EB5000-1

A **U.L recognized**, flame retardant, mineral filled, glass fiber reinforced polyester **thermoset molding compound** suitable for compression, transfer, and injection molding.It is currently supplied in bulk form, cut preforms and box length extrusions.

MOLDED PROPERTIES	**TYPICAL**		**VALUES**	
UL File E107977				
	SI	**SI**	**US**	**US**
PHYSICAL / THERMAL				
Impact strength (D 256)	J/m	430 - 530	ft-lb/in	8 - 10
Flexural strength (D 790)	MPa	97 - 124	psi	14 - 18,000
Tensile strength (D 638)	MPa	46	psi	6,700
Heat Deflection Temp. (D 648)	°C	>260	°F	>500
Molding temperature	°C	140 - 176	°F	285 - 350
Molding pressure	bar	70 - 140	psi	1000 - 2000
Mold shrinkage (D 955)	mm/mm	.000-.002	in/in	.000-.002
Specific gravity (D 792)				1.91
Flammability (UL 94 @ 1/16")				V-0
Barcol Hardness				30 - 40
Water absorption (D 570) by weight 24 hours			%	0.02
ELECTRICAL				
Arc resistance (D 495)	Seconds	>180	Seconds	>180
Volume resistivity (D 257)	ohm-cm	9.45×10^{14}		
Dielectric strength (D 149)	kV/mm	>20	v/mil	>500
Comparative tracking index (D 3638)			V	>600

The above data was generated based on a specific typical formulation. Variations to satisfy customer requirements may result in different values.

IMPORTANT! The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. It is provided for preliminary informational purposes only and for initial evaluation of the product. As a result, they are not appropriate for the purpose of developing a final specification and should not be relied on for such specification purposes. Judgement as to the suitability of the subject molding material for the user's purposes is the user's responsibility. Users shall determine the suitability of the products for there own intended applicaiton. No warranty or guaranty, express or implied, is made regarding performance, stability or otherwise. This information is not intended to be all-inclusive as the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. While our technical personnel will he happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or to violate any Federal, State or local laws.

CUYAHOGA PLASTICS

1265 Babbitt Road ● Cleveland, Ohio 44132-2798
FAX: 216-261-3537 ● Phone: 216-261-2744

ISO 9002 REGISTERED