

Carbotex Polycarbonate Resin

Physical Properties Data Sheet

Grade: **Carbotex** K-20MRA

The U.S. Standard Measurement

Properties	Test method (ASTM)	Conditions	Unit	Data
Mechanical				
Tensile strength	D-638	-----	lb/in ²	8,800
Tensile elongation at break	D-638	-----	%	110
Flexural strength	D-790	-----	lb/in ²	12,200
Flexural modulus	D-790	-----	lb/in ² X10 ³	312
Izod impact strength	D-256	v-notch, 1/8"	ft .lb/in	15
Rockwell hardness	D-785	R scale	-----	115
Thermal				
Heat distortion temperature	D-648	18.6kg/cm	°F	270-273
Melt flow index	D-1238	300°C 1.2kg	g/10min	20-25
Electrical				
Volume resistivity	D-257	-----	Ω.cm	10 ¹⁶
Arc resistance	D-495	-----	Sec	110
Dielectric constant	D-150	10 ⁶ Hz	-----	2.90
Other				
Specific gravity	D-792	-----	-----	1.20
Water absorption	D-570	73°F	%	0.20
Flammability	UL-94	V-2	inch	0.063

The above data contained herein are believed to be correct and are given in good faith. The use to which others may put this material, it is not applied to the above data. No liability is accepted for the accuracy or completeness of such information.

Kotec Corporation