



# MEGA RECYCLING

AND COMPOUNDING SERVICES LLC.

## MegaRe® 510FRA-BK

10% glass reinforced polycarbonate, non-halogenated flame retardant, UV stabilized, with release agent used for Injection molding applications.

PROPERTY	ASTM TEST METHOD	ENGLISH		S.I.	
		UNITS	VALUES	UNITS	VALUES
Density	ISO 1183	g/cm(-3)	1.26	---	1.26
Heat Deflection Temperature 264 psi (1.82 MPa)	D648	°F	290	°C	143
Heat Deflection Temperature 66 psi (0.455 MPa)	D648	°F	305	°C	152
Mold Shrinkage Guideline (Flow Direction)	1/8" Section	In/in	2-4	%	2-4
Mold Shrinkage Guideline (Flow Direction)	1/8" Section	%	.2-to-.4		
Tensile Strength at Yield	D638	psi	9,600	MPa	66
Young's Modulus	D638	psi	550,000	MPa	3,793
Elongation at Break	D638	%	5	%	5
Flexural Strength	D790	psi	15,500	MPa	105
Flexural Modulus	D790	psi	500,000	MPa	3,448
Izod Impact Strength (Notched, 1/8" specimen)	D256	ft-lb/in	2.1	J/m	107
Izod Impact Strength (Unnotched, 1/8" specimen)	D256	ft-lb/in	20	J/m	1,000
Flammability, 1/8"	UL94	---	V0	---	V0

\*Preliminary Data

\*\* Product can be submitted to UL to obtain f1 rating and /or V-0 at 1/8-inch

Mechanical and thermal Properties tested at 73-F (23° C)  
Contact Mega for MSDS, general processing guidelines and/or additional information about verification, Handling, purging, drying, etc.

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