



MEGA RECYCLING
AND COMPOUNDING SERVICES LLC.

Product Data Sheet

MegaRe® PC1000UR-BK

Injection Grade Polycarbonate, higher melt flow, general purpose grade with release and UV additive.

TYPICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	ENGLISH		S.I.	
		UNITS	VALUES	UNITS	VALUES
Specific Gravity	D792	---	1.20	---	1.20
Heat Deflection Temperature 264 psi (1.82 MPa)	D648	°F	270	°C	132
Heat Deflection Temperature 66 psi (0.455 MPa)	D648	°F	284	°C	140
Melt Flow Rate @300°C/ 1.2kg	D1238	g/10 min	22.0	g/10 min	22.0
Mold Shrinkage Guideline (Flow Direction)	1/8" Section	%	.6	%	.6
Vicat Softening Temperature	D1525	°F	310	°C	154
Tensile Strength at Yield	D638	psi	9,000	MPa	62
Elongation at Break	D638	%	>130	%	>130
Flexural Strength	D790	psi	13,100	MPa	90
Flexural Modulus	D790	psi	330,000	MPa	2,277
Izod Impact Strength (Notched, 1/8" specimen)	D256	ft-lb/in	16	J/m	648
Flammability, 3.0 mm	UL94	---	V2	---	V2
Flammability, 1.5 mm	UL94	---	HB	---	HB
RTI, Electrical	UL746	°F	221	°C	105
RTI, Impact	UL746	°F	221	°C	105
RTI, Mechanical	UL746	°F	221	°C	105

Mechanical Properties measured at 23° C
Contact Mega for MSDS, general processing guidelines and/or additional information about verification, Handling, purging, drying, etc.

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