



MEGA RECYCLING
AND COMPOUNDING SERVICES LLC.

Product Data Sheet

MegaRe® HPP1000 Recycled Polypropylene

Injection grade, black, homopolymer, polypropylene.

TYPICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	ENGLISH		S.I.	
		UNITS	VALUES	UNIT S	VALUES
Specific Gravity	D792		0.91		0.91
Melt Flow Rate (MFR) 230-C/2.16 kg	D1238	g/10-min	10-to-20	---	10-to-20
Heat Deflection Temperature 264 psi (1.82 MPa) 66 psi (455 kPa)	D648	°F	190	°C	84
Ignition Resistance * (Flammability)	UL94	°F	220	°C	100
			HB @ 1/16"		HB @ 1.5 mm
Mold Shrinkage Guideline (Flow Direction)	1/8" Section	%	1.0-to-1.90	In/in	0.010-to-.019
Tensile Strength at Yield	D638	psi	4,800	MPa	35
Elongation at Break	D638	%	> 10%	%	> 10%
Flexural Strength	D790	psi	5,200	MPa	54
Flexural Modulus	D790	psi	.25 X 10 ⁻⁶	MPa	1,950
Izod Impact Strength (Notched, 1/8" specimen)	D256	ft-lb/in	.5-to-1.2	J/m	28-to-43

Mechanical Properties measured at 23° C
Contact Mega Recycling for MSDS, general processing guidelines and/or additional information.

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