



MEGA RECYCLING
AND COMPOUNDING SERVICES LLC.

Product Data Sheet

MagaRe® PPS-GF40R

Polyphenylene Sulfide 40% glass fiber reinforced

TYPICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	ENGLISH		S.I.	
		UNITS	VALUES	UNITS	VALUES
Specific Gravity	D792	---	1.60	---	1.60
Heat Deflection Temperature 264 psi (1.82 MPa)	D648	°F	510	°C	267
Heat Deflection Temperature 66 psi (0.455 MPa)	D648	°F	538	°C	280
Mold Shrinkage Guideline (Flow Direction)	1/8" Section	%	2-3	%	2-3
Melt Temperature	ISO 11357-3	°F	540	°C	280
Tensile Strength at Yield	D638	psi	23,000	MPa	160
Elongation at Break	D638	%	1-2	%	1-2
Flexural Strength	D790	psi	31,000	MPa	210
Flexural Modulus	D790	psi	210,000	MPa	140,000
Izod Impact Strength (Notched, 1/8" specimen)	D256	ft-lb/in	1.9	J/m	85
Flammability, 3,0 mm	UL94	---	5VA	---	5VA
Flammability, 1.5 mm	UL94	---	V-0	---	V-0
Continues Use Temp.	UL746	°F	435	°C	220
RTI, Impact	UL746	°F	480	°C	220
RTI, Mechanical	UL746	°F	510	°C	225

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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