



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

PS

GPPS 15-00 BLACK

GPPS

General Purpose PolyStyrene, high flowability specific for injection molding, black color (not matched).

Description

Injection Molding

USA, Mexico, Europe

Processing Methods

Availability

Used for standard applications.

ASTM

Typical Applications

Test Methods

[REC 100%]

V1-10-25

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	200°C - 5.0 kg	15.0	g/10'
Density	ASTM D792 Method A	73°F	1040	kg/m³

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	360000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	9600	psi
Tensile Modulus	ASTM D638	73°F - 0.05 in/min	420000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	6200	psi
Tensile stress at Break	ASTM D638	73°F - 2 in/min	6100	psi
Elongation at Yield	ASTM D638	73°F - 2 in/min	2.0	%
Elongation at Break	ASTM D638	73°F - 2 in/min	3.0	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	0.3	ft*lb/in

Thermal	Method	Conditions	Value	Unit
Deflection Temperature Under Load	ASTM D648	(264 psi, Unanneled)	175	°F
Deflection Temperature Under Load	ASTM D648	(66 psi, Unanneled)	196	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate A (50N-50 C/h)	205	°F

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