



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

ABS

ABS 05-03 S01 BLACK 001

ABS

ABS compound, designed for extrusion and injection molding processes; black color, not color-matched.

Description

Extrusion and Injection Molding

USA, Mexico, Europe

Processing Methods

Availability

V3-02-26

Suitable for standard industrial applications.

ASTM

Typical Applications

Test Methods

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	200°C - 5 kg	1.5	g/10'
Melt mass-flow rate	ASTM D1238 Procedure B	220°C - 10 kg	20.0	g/10'
Melt mass-flow rate	ASTM D1238 Procedure B	230°C - 3.8 kg	5.0	g/10'
Density	ASTM D792 Method A	-	1050	kg/m ³
Ash content	Internal Method	600°C - 15 min	2.0	%

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	280000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	9500	psi
Tensile Modulus	ASTM D638	73°F - 0.05 in/min	320000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	6400	psi
Tensile stress at Break	ASTM D638	73°F - 2 in/min	5200	psi
Elongation at Yield	ASTM D638	73°F - 2 in/min	2.7	%
Elongation at Break	ASTM D638	73°F - 2 in/min	10.0	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	3.5	ft*lb/in

Thermal	Method	Conditions	Value	Unit
Deflection Temperature Under Load	ASTM D648	(264 psi, Unanneled)	170	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate A (50N-50 C/h)	200	°F

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