



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

PP

COPP 30-03 J01 BLACK 000

P/E

Polypropylene copolymer unfilled, flowability specific for injection moulding, black color not matched.

Description

Injection Molding

Processing Methods

Automotive applications

Typical Applications

USA, Mexico, Europe

Availability

ASTM

Test Methods

[REC 75%]

V0-12-25

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	230°C - 2.16 kg	30.0	g/10'
Density	ASTM D792 Method A	73°F	930	kg/m³
Ash content	Internal Method	475°C - 15 min	4.0	%

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	150000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	4200	psi
Tensile Modulus	ASTM D638	73°F - 0.05 in/min	170000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	3200	psi
Tensile stress at Break	ASTM D638	73°F - 2 in/min	2400	psi
Elongation at Yield	ASTM D638	73°F - 2 in/min	6.0	%
Elongation at Break	ASTM D638	73°F - 2 in/min	100.0	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	2.9	ft*lb/in

Thermal	Method	Conditions	Value	Unit
Deflection Temperature Under Load	ASTM D648	(66 psi, Unanneled)	194	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate B (50N-50 C/h)	158	°F
Horizontal Combustibility	FMVSS302	-	OK	-

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