



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

PP

COPP 20-01 BLACK 000

P/E

Polypropylene copolymer unfilled, high flowability specific for injection moulding, black color.

Description

Injection Molding

USA, Mexico, Europe

Processing Methods

Availability

V2-10-24

Used for rigid packaging applications

ASTM

Typical Applications

Test Methods

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	230°C - 2.16 kg	20.0	g/10'
Density	ASTM D792 Method A	-	940	kg/m³
Ash content	Internal Method	475°C - 15 min	5.0	%

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	160000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	3800	psi
Tensile Modulus	ASTM D638	73°F - 0.05 in/min	180000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	2800	psi
Tensile stress at Break	ASTM D638	73°F - 2 in/min	2175	psi
Elongation at Yield	ASTM D638	73°F - 2 in/min	6.0	%
Elongation at Break	ASTM D638	73°F - 2 in/min	55.0	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	1.2	ft*lb/in
Izod Pendulum Impact Resistance	ASTM D256	-22°F	0.5	ft*lb/in

Thermal	Method	Conditions	Value	Unit
Deflection Temperature Under Load	ASTM D648	(66 psi, Unanneled)	180	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate A (50N-50 C/h)	145	°F
Horizontal Combustibility	FMVSS302	-	OK	-

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