



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

PP

COPP 02-02 S01 NATURAL

P/E

Polypropylene copolymer 30% PCR FDA grade and 70% virgin grade FDA, flowability specific for extrusion, NATURAL COLOR (no pigments).

Description

Extrusion, Thermoforming

Processing Methods

Used in standard applications as well.

Typical Applications

USA, Mexico, Europe

Availability

ASTM

Test Methods

[REC 30%]

V0-07-09

PCR 30%

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	230°C - 2.16 kg	2.0	g/10'
Density	ASTM D792 Method A	-	900	kg/m³

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	190000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	6100	psi
Tensile Modulus	ASTM D638	73°F - 0.05 in/min	240000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	4350	psi
Tensile stress at Break	ASTM D638	73°F - 2 in/min	3000	psi
Elongation at Yield	ASTM D638	73°F - 2 in/min	5.5	%
Elongation at Break	ASTM D638	73°F - 2 in/min	23.0	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	2.0	ft*lb/in

Thermal	Method	Conditions	Value	Unit
Deflection Temperature Under Load	ASTM D648	(66 psi, Unanneled)	215	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate A (50N-50 C/h)	167	°F

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