



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

PP

HOPP 18-00 NATURAL

PP

Polypropylene homopolymer 25% **PCR FDA** grade and 75% virgin grade **FDA**, flowability specific for injection molding, **NATURAL COLOR** (no pigments).

Description

Injection Molding

USA, Mexico, Europe

Processing Methods

Availability

Used in standard applications as well.

ASTM

Typical Applications

Test Methods

[REC 25%]

V1-06-2024

PCR 25%

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	230°C - 2.16 kg	18.0	g/10'
Density	ASTM D792 Method A	-	905	kg/m³

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	210000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	6700	psi
Tensile Modulus	ASTM D638	73°F - 0.05 in/min	250000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	5350	psi
Tensile strain at Yield	ASTM D638	73°F - 2 in/min	8.0	%
Tensile stress at Break	ASTM D638	73°F - 2 in/min	4500	psi
Tensile strain at Break	ASTM D638	73°F - 2 in/min	16.0	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	0.5	ft*lb/in

Thermal	Method	Conditions	Value	Unit
Deflection Temperature Under Load	ASTM D648	(66 psi, Unannealed)	214	°F
Vicat softening temperature	ASTM D1525	Loading 2 - Rate A (50N-50 C/h)	203	°F

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