

# Propilco PP 45R60CD

Polypropylene Random Copolymer  
PROPILCO S.A.



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## Technical Data

### General

Material Status	• Commercial: Active
Availability	• Latin America
Additive	• Clarifier • Mold Release
Features	• Controlled Rheology • Good Impact Resistance • Fast Molding Cycle • Good Mold Release • Food Contact Acceptable • Good Moldability • General Purpose • High Clarity • High Flow • Opticals • Random Copolymer
Uses	• General Purpose • Household Goods • Thin-walled Packaging
Agency Ratings	• EU 2002/72/EC • EU 2008/39/EC • EU 2004/1/EC • EU 82/711/EEC • EU 2004/19/EC • EU 85/572/EEC • EU 2005/79/EC • EU 975/2009/EC • EU 2007/19/EC • FDA 21 CFR 177.1520(a)(3)(i)(c)(1) • FDA 21 CFR 177.1520(b) • FDA 21 CFR 177.1520(c) 3.1a
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Mass-Flow Rate (MFR) <sup>2</sup> (230°C/2.16 kg)	47 g/10 min	47 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>3</sup>			ASTM D638
Yield, 0.126 in (3.20 mm), Injection Molded	4090 psi	28.2 MPa	
Tensile Elongation <sup>3</sup>			ASTM D638
Yield, 0.126 in (3.20 mm), Injection Molded	13 %	13 %	
Flexural Modulus - 1% Secant <sup>4</sup>			ASTM D790A
0.126 in (3.20 mm), Injection Molded	155000 psi	1070 MPa	
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.126 in (3.20 mm), Injection Molded	1.1 ft·lb/in	59 J/m	
Gardner Impact <sup>5</sup>			ASTM D5420
73°F (23°C), 0.126 in (3.20 mm), Injection Molded	219 in·lb	24.7 J	

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Procedure B

<sup>3</sup> Type I, 2.0 in/min (50 mm/min)

<sup>4</sup> Type I, 0.051 in/min (1.3 mm/min)

<sup>5</sup> Method A

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## Where to Buy

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### Supplier

**PROPILCO S.A.**  
Bogota, Colombia  
**Telephone:** (571) 5960220  
**Web:** <http://www.propilco.com>

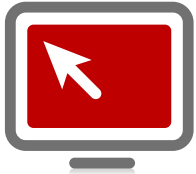
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### Distributor

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