

# COPYLENE® CR350CS-01

Polypropylene Random Copolymer

Phillips 66

Message:

COPYLENE® CR350CS-01 is a clarified, reactor grade, random copolymer specially designed for clear injection molding applications and is formulated with lube for excellent mold release for larger articles.

Potential Applications:

Injection Molding

General Information			
Additive	Clarifier		
	Lubricant		
Features	Good Mold Release		
	High Clarity		
	Lubricated		
	Random Copolymer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.902	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	29.3	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup>	1070	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	74.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.0 mm/min		

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# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

