

# Five Plus™ HPP40C

Polypropylene Homopolymer

Noble Polymers

## Message:

40% Calcium Carbonate Filled HomoPolymer Polypropylene

Noble Polymers FivePlus series of filled polypropylene compounds offers processors a wide range of filler and physical properties options. FivePlus compounds are available with your choice of mineral fillers. FivePlus filled polypropylene compounds provide a unique balance of physical properties and ease of processing. A full range of flexural modulus, impact and other physical property options allows you to customize a solution to meet your specific application's needs.

FivePlus compounds are used in automotive, heavy truck, consumer goods, building and construction and many other industries for applications such as brackets, housings, trim panels and other applications that require a balance of durability, dimensional stability and processability.

Features Include:

Filler range from 10 - 40%

Available in natural, black or custom colors

Additive packages include: UV stabilization, heat stabilizers and scratch and mar resistance

Can be formulated utilizing reprocessed base materials

Formulations available for extrusion processes upon request

Customized formulations available to meet your specific need

All FivePlus products are 100% recyclable

General Information			
Filler / Reinforcement	Calcium Carbonate,40% Filler by Weight		
Features	Homopolymer		
	Recyclable Material		
Uses	Automotive Applications		
	Building Materials		
	Construction Applications		
	Consumer Applications		
	Housings		
Appearance	Black		
	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	22.3	MPa	ASTM D638
Flexural Modulus	2380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256

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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

