

Technical Data			
产品说明			
WPP PP PPC3GF2.5-Black	WPP PP PPC3GF2.5-Black 是一种聚丙烯扩冲击共聚物(PP Impact Copoly)产品,含有的填充物为 25% 玻璃纤维增强材料。它,在北美洲、非洲和中东、拉丁美洲、欧洲或亚太地区有供货。		
	特性包括: • 高刚度 • 共聚物 • 耐冲击		
Softell TKG 300N 1 C12844	Softell TKG 300N 1 C12844 is a 25% glass fiber reinforced PP copolymer, with good impact/stiffness balance, excellent scratch resistance, high dimensional stability and very low gloss. The product is available as a customized color matched, pellet form.This grade is delivered in C12844 color version. This grade is not intended for medical, pharmaceutical, food, drinking water and all applications not listed in the supported list. For more information please contact our sales representatives.		
	Description G/F modified Compound PP is modified by glass fiber filling and to improve mechanical rigidity and heat-resistance. It is produced made by modifying . A variety of base PPs, including HIPP (High Isotactic Polypropylene), with Hanwha Total's special processing technology. Its excellent quality makes it ideal for use in air conditioner fans and automobile cooling fans; and like products requiring high rigidity and high impact-resistance.		
	Characteristics		
Hanwha Total PP GH43	There is a wide selection of Hanwha G/F PP products available for uses in products that require high- and ultra-high rigidity and high flowability. Adjustments depending upon molding conditions present no difficulty. Several Hanwha Total G/F PPs have improved dimensional stability thanks to blends with mica, and fire-resistance ratings of UL94 V-0.		
	Applications G/F PP helps improve rigidity and impact-resistance simultaneously dimensional stability, while providing heightened heat-resistance. These grades are high-temperature strengths with added. The most common uses are in: • Automobile parts, including brackets, switch boxes, cooling fans and oil caps; • Electric and electronic parts, such as air conditioner fans, washing machine drums, pulley/legs for washing machines, and more; • Household/industrial appliances, parts for electric tools, showers, bidets , etc.		
总体	WPP PP PPC3GF2.5-Black	Softell TKG 300N 1 C12844	Hanwha Total PP GH43
生产商/供应商	• Washington Penn Plastic Co. Inc.	• LyondellBasell Industries	• Hanwha Total Petrochemical Co., Ltd.
通用符号	• 抗撞击 PP 均聚物	• PP 共聚物	• TPO
材料状态	• 已商用：当前有效	• 已商用：当前有效	• 已商用：当前有效

总体	WPP PP PPC3GF2.5-Black	Softell TKG 300N 1 C12844	Hanwha Total PP GH43
资料 ¹	--	- Processing - Extrusion (English) - Processing - Injection Molding (English) - Processing - Mold Shrink (English) - Technical Datasheet (English)	Technical Datasheet (English)
UL 黄卡 ²	--	--	E140331-222929
搜索 UL 黄卡	Washington Penn Plastic Co. Inc.	- LyondellBasell Industries - Softell	Hanwha Total Petrochemical Co., Ltd.
供货地区	- 北美洲 - 非洲和中东 - 拉丁美洲 - 欧洲 - 亚太地区	欧洲	- 北美洲 - 亚太地区
填料/增强材料	玻璃纤维增强材料, 25% 填料按重量	玻璃纤维增强材料, 25% 填料按重量	玻璃纤维增强材料
添加剂	--	--	阻燃性
特性	- 刚性, 高 - 抗冲共聚物 - 抗撞击性, 高	- 尺寸稳定性良好 - 刚性, 良好 - 共聚物 - 光泽, 低 - 抗撞击性, 良好 - 耐刮擦性	- 尺寸稳定性良好 - 低翘曲性 - 刚性, 高 - 高强度 - 抗撞击性, 高 - 可加工性, 良好 - 流动性高 - 耐热性, 高 - 收缩性低 - 阻燃性
用途	--	- 汽车领域的应用 - 汽车内部装备	- 电气/电子应用领域 - 电气元件 - 电器用具 - 动力/其它工具 - 工业应用 - 家用货品 - 汽车领域的应用
外观	- 黑色 - 可用颜色	可用颜色	--
形式	粒子	粒子	--
加工方法	--	注射成型	注射成型



物理性能	WPP PP PPC3GF2.5-Black	Softell TKG 300N 1 C12844	Hanwha Total PP GH43	单位制	测试方法
密度 / 比重					
--	1.09	--	1.13	g/cm³	ASTM D792
23°C	--	1.09	--	g/cm³	ISO 1183/A
熔流率 (熔体流动速率)					
230°C/2.16 kg	8.0	--	7.0	g/10 min	ASTM D1238
230°C/2.16 kg	--	6.0	--	g/10 min	ISO 1133
收缩率 - 流动 (2.00 mm)	--	--	0.20 到 0.90	%	内部方法
机械性能	WPP PP PPC3GF2.5-Black	Softell TKG 300N 1 C12844	Hanwha Total PP GH43	单位制	测试方法
抗张强度					
屈服	57.9	--	--	MPa	ASTM D638
屈服, 23°C	--	34.0	--	MPa	ISO 527-2
-- ⁴	--	--	108	MPa	ASTM D638
伸长率					
断裂 ⁴	--	--	3.0	%	ASTM D638
断裂	--	15	--	%	ISO 527-2
弯曲模量					
-- ⁵	--	--	5880	MPa	ASTM D790
1% 正割	3690	--	--	MPa	ASTM D790
23°C ⁶	--	2500	--	MPa	ISO 178/A
弯曲强度 ⁵	--	--	147	MPa	ASTM D790
冲击性能	WPP PP PPC3GF2.5-Black	Softell TKG 300N 1 C12844	Hanwha Total PP GH43	单位制	测试方法
简支梁缺口冲击强度					ISO 179/1eA
-30°C	--	7.5	--	kJ/m²	
23°C	--	35	--	kJ/m²	
悬壁梁缺口冲击强度 (23°C)	130	--	130	J/m	ASTM D256
硬度	WPP PP PPC3GF2.5-Black	Softell TKG 300N 1 C12844	Hanwha Total PP GH43	单位制	测试方法
洛氏硬度 (R 级)	--	--	115		ASTM D785
热性能	WPP PP PPC3GF2.5-Black	Softell TKG 300N 1 C12844	Hanwha Total PP GH43	单位制	测试方法
载荷下热变形温度					
0.45 MPa, 未退火	152	--	163	°C	ASTM D648
0.45 MPa, 未退火	--	125	--	°C	ISO 75-2/B
1.8 MPa, 未退火	121	--	--	°C	ASTM D648
维卡软化温度	--	130	--	°C	ISO 306/A



可燃性	WPP PP PPC3GF2.5-Black	Softell TKG 300N 1 C12844	Hanwha Total PP GH43	单位制	测试方法
UL 阻燃等级	--	--	HB		UL 94
注射	WPP PP PPC3GF2.5-Black	Softell TKG 300N 1 C12844	Hanwha Total PP GH43	单位制	
料筒后部温度	--	--	180 到 220	°C	
料筒中部温度	--	--	180 到 220	°C	
料筒前部温度	--	--	180 到 220	°C	
模具温度	--	--	50 到 80	°C	
注塑压力	--	--	49.0 到 88.3	MPa	
注射速度	--	--	快速		
背压	--	--	0.490 到 0.981	MPa	
螺杆转速	--	--	30 到 80	rpm	

备注

- ¹ 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。
- ² UL 黄卡含有 UL 验证的易燃性和电气特性。UL Prospector 持续努力在 Prospector 中将黄卡链接至单个塑料材料，然而此列表可能未包括所有相应链接。重要的是，我们对 Prospector 中找到的这些黄卡和塑料材料之间的关联进行验证。如需完整的黄卡列表，请访问 UL 黄卡搜索。
- ³ 一般属性：这些不能被视为规格。
- ⁴ 50 mm/min
- ⁵ 5.0 mm/min
- ⁶ 1.0 mm/min



购买地点

供应商	
WPP PP PPC3GF2.5-Black	Washington Penn Plastic Co. Inc. Washington, PA USA 电话: 724-228-1260 Web: http://www.washpenn.com/
Softell TKG 300N 1 C12844	LyondellBasell Industries Wilmington, DE USA 电话: 713-309-7200 Web: http://polymers.lyondellbasell.com/portal/site/basell/
Hanwha Total PP GH43	Hanwha Total Petrochemical Co., Ltd. Seoul, South Korea 电话: +82-2-3415-9408 Web: http://www.hanwha-total.com/



分销商

WPP PP PPC3GF2.5-Black

Channel Prime Alliance

电话: 800-247-8038

Web: <http://www.channelpa.com/>

供货地区: North America

Chase Plastic Services, Inc.

*Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here: <http://www.chaseplastics.com/contact/locations>**www.chaseplastics.com/contact/locations*

电话: 800-232-4273

Web: <http://www.chaseplastics.com/>

供货地区: North America

Nexeo Solutions

电话: 800-531-7106

Web: <http://www.nexeosolutions.com/>

供货地区: North America

Nexeo Solutions - Europe

Nexeo Solutions is a Pan European distribution company. Contact Nexeo for availability of individual products by country.

电话: +34-93-480-9125

Web: <http://www.nexeosolutions.com/>

供货地区: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, United Kingdom

Plastic Service Centers

电话: 586-307-3900

Web: <http://www.plasticservice.com/>

供货地区: North America

Softell TKG 300N 1 C12844

ALBIS Plastic

ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.

电话: +49-40-78105-0

Web: <http://www.albis.com/>

供货地区: Algeria, Austria, Belgium, Bulgaria, China, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hong Kong, Hungary, Ireland, Latvia, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom

ESSE International - OMYA

ESSE International - OMYA is a Pan European distribution company. Contact ESSE International - OMYA for availability of individual products by country.

电话: +33-1-30-80-56-56

Web: <http://www.omya.com>

供货地区: Europe



Ultrapolymers

Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.

电话: +32-11-57-95-57

Web: <http://www.ultrapolymers.com/>

供货地区: Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Estonia, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Macedonia, Netherlands, Romania, Serbia, Slovakia, Slovenia, Turkey, United Kingdom

Hanwha Total PP GH43

CISKO Plastics (HK) Limited

电话: +86-18027555338

Web: <http://www.ciskoplas.en.ec21.com>

供货地区: China

