



## DATA-SHEET

SPECIFICATION & DATA SHEET 物质规格数据表		Chemical Analysis: 化学分析	
Product Code: 产品编码	RF0401 3 210 32	Chemical Name: 化学名称	Carbon black 炭黑
Trade Name: 商品名称	Carbon black N220 炭黑 N220	CAS No.: CAS 编号:	001333-86-4
Synonym 同类名称	N220		

### Product Information: 产品资料

#### \*\*\*Specification 规格

Appearance (visual inspection): 外观(目测)	Black granule 黑色颗粒	CTAB Absorption $10^{-5}\text{m}^2/\text{Kg}$ CTAB 吸附比表面积 $10^{-5}\text{m}^2/\text{Kg}$	102-120
DBP Adsorption NO. $10^{-5}\text{m}^3/\text{kg}$ DBP 吸附值 $10^{-5}\text{m}^3/\text{kg}$	$114 \pm 5$	Residues (45 $\mu\text{m}$ )% $\leq$ 筛余物(45 $\mu\text{m}$ )% $\leq$	0.10
Iodine adsorption number g/kg 碘吸附值 g/kg	$121 \pm 5$	Loss on drying % $\leq$ 加热减量% $\leq$	1.5
Stress at 300%Elongation,Mpa 300%定伸应力 Mpa	$-2.3 \pm 1.0$	PH value PH 值	7-9
Strength of grain(N) 颗粒强度(N):	1.2-1.8		

#### \*\*\*Typical Properties 主要特性

Carbon black is mainly composed of carbon, including a little of hydrogen and oxygen. It is a black granule substance, which has crystal frame and colloid granule pathway range of norm-black lead. There are various kinds of black carbon, and have no united method of classifying. According the method of manufacturing, it can be disported into groove carbon black; furnace carbon black and hot split carbon black.	炭黑的主要组成是碳,只含有少量的氢和氧,是具有“准石墨”晶体结构和胶体粒径范围的黑色颗粒物质。炭黑的种类繁多,分类方法尚不统一。一般按照制法可将其分为槽法炭黑,炉法炭黑和热裂法炭黑三类。
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#### \*\*\*Recommended Applications 应用推荐

Carbon black has a remarkable function in the rubber industry. And it is the largest rubber industry consumption bulk agent and reinforcing agents, with the increase in the volume of recharge, the hardness and rigidity are improved while the flow ability and anti-shocking deteriorated. And the products become fragile. The carbon black has a big blackout effect to the ultraviolet ray. The carbon black can be used in ray stabilizer for polyethylene, polypropylene and so on besides, carbon black can also use by color agents. The carbon black uses in the rubber not only may enhance the product the intensity, but also can improve the sizing material workability and entrusts with the product to bear the abrasion, heat-resisting, cold resistant, oil resistant and so on the special performance.	炭黑在橡胶中有显著的补强作用,它是橡胶工业中用量最大的填充剂和补强剂。在塑料中炭黑的补强作用不显著,虽然随着填充量的增加,硬度和刚性提高,但加工时的流动性恶化,抗冲击性下降,制品变脆。炭黑对紫外光有很大的遮蔽效应,可作为聚乙烯、聚丙烯等塑料的紫外线稳定剂。此外,炭黑还可以作为着色剂使用。炭黑用于橡胶时不仅可以提高制品的强度,而且能改善胶料的加工性能,并赋予制品以耐磨耗、耐热、耐寒、耐油等特殊性能。
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#### \*\*\*Handling and Storage recommendations

Avoid dust exposures above the occupational exposure limit. Wash exposed skin daily. Use local exhaust ventilation to control exposures to below occupational exposure Store away from ignition sources and strong oxidizers. It can be store on 24 months with the common storing condition.	避免空气中的灰尘高于职业的含量极限,每天清洗接触到的皮肤。使用地方排风将空气中含量控制在规定的职业含量以下,远离热源和强氧化剂。 一般情况下可储存 24 个月。
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#### \*\*\*Package 包装

Bag: 20kg/bag 袋装: 20kg/bag	Pallet(1.1*1.1*0.1): 440kg/P 托盘(1.1*1.1*0.1) : 440kg/P
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