



## ENGLISH WALNUT SHELL SOFT ABRASIVE GRIT

### PRODUCT INFORMATION BULLETIN

2014

#### GENERAL DESCRIPTION

English walnut shells are a hard organic abrasive that are chemically inert, non-toxic and biodegradable. When ground and sized, english walnut shells have a wide variety of uses.

#### APPLICATIONS

English walnut shells are used as media in an abrasive blast to polish and clean soft metals, plastics, wood, and stone. They are used for surface preparation of parts and equipment to be painted. The english walnut shell is an effective abrasive media for moldings, castings, and electrical parts, etc. Shells are also used in barrel tumbling and vibratory applications to clean and polish. Other utilizations of the walnut shell are: scrubs in the cosmetic and soap industry; filter media for hydromation systems; extenders in adhesives; fillers in castings; and as loss circulation material in the oil industry.

Military Specification: MIL-G-5634 C

#### ADVANTAGES & BENEFITS

- Cost effective
- Excellent durability and elasticity
- Cleans without leaving scratches or pitting
- It is a non-spark abrasive
- Environmentally friendly

CHEMICAL ANALYSIS	<u>% by weight</u>		<u>% by weight</u>	
	Nitrogen	0.20	Methoxyl	6.5
Cellulose	50/60	Chlorine	0.10	
Lignin	23.5	Ash	1.9	
Toluene Solubility	.5/1.0	Cutin	1.0/2.0	

#### PHYSICAL PROPERTIES

- Light brown in color
- Specific Gravity 1.35
- Moisture should not exceed 11% by weight
- Hardness on Mohs Scale - 3

#### PACKAGING INFORMATION

Walnut shell is primarily packaged in a plain multi-walled paper bag, with a net weight of 50 lbs. The bags are palletized 40 bags on a 40" X 48" pallet and stretch wrapped. Other packaging options include a 2,000 lb. tote bag.

#### STORAGE INFORMATION

The walnut shell should be stored in normal dry storage. Moisture level kept at 10% or below. The product will keep indefinitely under these conditions.