FLEXECO - RECLAIM RUBBER

Millions tonnes of waste rubber especially old tires are not properly disposed every year. As a result, billions tonnes of tires and rubber wastes now reside in landfills and illegal dumps around the world. These cause great environmental issue and if not taken care off will result in great environmental pollution due to the release of toxic chemicals, fire-safety and health risks from the breeding of mosquitoes in trapped water.

The most common and environmental friendly method to recycle waste rubber is to produce "crumb rubber" from waste rubber. Rubber waste will go through mechanical size reduction, separation and segregation of rubber from contaminants of steel, fibers and other foreign materials. However, "crumb rubber" are not able to be used in moulded or extruded products in great amount.

For the crumb rubber to be used in moulded and extruded products in replacing virgin rubber compound at a lower cost, it needs to be de-vulcanized.

Most of the reclaims technics now used heat to breakdown the polymer chains and S-S crosslink in the vulcanized waste rubber. In most cases, burning of fossil fuels, direcly or in directly are the primary sources to generate heats required in the process. Many pollutants will be emitted to the air during the burning of fossil fuel. Some are toxic and others are greenhouse gases, the primary causes of global warming.

Thanks to the development of new technology in waste rubber reclaim. With this new reclaim technology, waste rubber can be de-vulcanized using minimum energy and result in much lesser environmental issues especially lower greenhouse gases emission as compare to conventional method. FLEXECO are produced using this innovative technology. FLEXECO are thus more environmental friendly reclaims and make ready for used either directly or proportionaly added to virgin rubber.

With this new technology, we are not only able to contribute in solving the solid waste issue from waste rubber but to preserve the natural environment using an environmental friendly way to recycle our waste.

Product Spec :

1)	FLEXECO 5508	
	SpGr	1.21 to 1.25
	Hardness, Shore A	53-58
	Tensile Strength, Mpa	6 to 9
	Elongation, %	200 to 250
2)	FLEXECO 6008	
	SpGr	1.21 to 1.25
	Hardness, Shore A	58 - 63
	Tensile Strength, Mpa	6 to 9
	Elongation, %	200 to 250
3)	FLEXECO 6508	
	SpGr	1.15 to 1.21
	Hardness, Shore A	63 - 68
	Tensile Strength, Mpa	6 to 9
	Elongation, %	200 to 250

RESOLUTE PROMOTE SDN BHD(886812-X)

4) FLEXECO 5005SH	
SpGr	1.18 to 1.23
Hardness, Shore A	48 - 52
Tensile Strength, Mpa	4 to 6
Elongation, %	150 to 250
5) FLEXECO 5505SH	
SpGr	1.18 to 1.23
Hardness, Shore A	52 - 58
Tensile Strength, Mpa	4 to 6
Elongation, %	150 to 250
6) FLEXECO 6005SH	
SpGr	1.18 to 1.23
Hardness, Shore A	58 - 65
Tensile Strength, Mpa	4 to 6
Elongation, %	150 to 250
7) FLEXECO 6505SH	
SpGr	1.18 to 1.23
Hardness, Shore A	65 - 73
Tensile Strength, Mpa	4 to 6
Elongation, %	150 to 200