



VIRA rPS

Recycled polystyrene (rPS) is an environmentally friendly alternative to virgin PS, offering significant benefits in sustainability and cost reduction. By repurposing waste materials, it helps reduce landfill waste and conserves fossil resources. Recycled PS retains many of the original properties, such as lightweight nature, insulation capabilities, and durability, making it suitable for various applications. It is commonly used in packaging, construction materials (such as insulation boards), disposable containers, and even 3D printing. Additionally, incorporating recycled PS in manufacturing lowers production costs and carbon footprints, promoting a circular economy in the plastics industry.

Item	General			Physical			Mechanical		
	Application	Color	Appearance	Ash Content (600°C,40min)	Density	MFI (200°C,5Kg)	Tensile strength @ break (MD)	Elongation @ break (MD)	Flexural Modulus
Test Method	-	-	-	ASTM 1603	ASTM D1505	ASTM D 1238	ASTM D-638		D790
Unit	-	-	-	%	g/cm3	g/10min	Mpa	%	Mpa
rPS608	Injection, Extrusion, Sheet	Cream - Black	Granule	3	1.08	8	16	7	2200
rPS610	Extrusion	Light Cream - Black - white	Granule	10	1.13	11	21	4	3000
rPS623	Extrusion	Cream - Black	Granule	16	1.16	10	20	4	2300
rPS638	Extrusion	Cream - white - black	Granule	8	1.13	11	22	4	3000