



VIRA rPE

The high-quality Vira rPE recycled low-density polyethylenes are engineered to provide an ideal balance of flexibility, mechanical strength, and smooth processability. These semi-transparent granules, with uniform distribution and consistent quality, make them an ideal choice for producing packaging films, shopping bags, stretch and shrink films, and laminating layers. The optimized formulation of these grades allows for easy extrusion and the production of films with uniform surface quality and desirable mechanical properties. Vira rPE recycled polyethylenes offer an economical and sustainable solution for plastic industries aiming to reduce costs while improving the environmental compatibility of their products.

Item	General			Physical			Mechanical		
	Application	Color	Appearance	Ash Content (600°C, 40min)	Density	MFI (190°C, 2.16Kg)	Tensile stress @ break (MD)	Elongation @ break (MD)	Charpy impact, notched
Test Method	-	-	-	ASTM D5630	ASTM D1505	ISO 1133	ISO 527		ISO 179-1
Unit	-	-	-	%	g/cm3	g/10min	MPa	%	J/m Kj/m2
LDPE829	General uses, Packaging film, Garbage bag	Transparent	Granule	2.5	0.91	1.1	26	280	-
LDPE830	Film casting, Sheet (Nylon, Nylex, Shrink film, Agricultural pipe)	Transparent	Granule	0.1	0.96	0.69	17.85	398.70	672.14 83.58 (Non Break)
LDPE833	Film casting, Sheet (Nylon, Nylex, Shrink film, Agricultural pipe)	Transparent	Granule	0.3	0.93	0.85	16.75	345.95	658.35 82.85 (Non Break)



Iran Polymer and Petrochemical Institute, Pajouhesh Blvd, Tehran - Karaj highway, Tehran, Iran



www.virabaspar.com



Vira Baspar



+989377326867