

VP-HD-0035

Description:

VP-HD-0035 is a high molecular weight high density polyethylene blow moulding grade combining blow moulding extrusion behavior and superior mechanical properties. Blow moulded items made from VP-HD-0035 exhibit high impact strength and good stress cracking resistance and high stiffness. VP-HD-0035 contains antioxidant to protect the polymer from degradation during processing.

Features	Applications	Packaging
highly crystalline, non-polar thermoplastic and has excellent chemical resistance and superb impact resistance at ambient conditions and even at cold temperatures.	bottles for bleach, motor oil, toiletries, mild and distilled water. This grade is also used to make small containers (from 10 cc to 20 lit.).	Supplied in the form of pellets, or in bulk, or in 25 Kg bags.

Typical test	Units	Test Method	Spes
MELT FLOW INDEX (190°C/2.16kg)	gr/10 min	ASTM D-1238	0.28-0.43
DENSITY	gr/cm ³	ASTM D-1505	0.956-0.962
IZOD IMPACT STRENGTH	kg.cm/cm	ASTM D-256	MIN 25
YELLOW INDEX	—	ASTM D-1925	MAX 5
ASH CONTENT	% Wt	ASTM D-1063	MAX 0.06
VOLATILE MATTER	% Wt	ASTM D-1960	MAX 0.05
TENSILE STRENGTH@BREAK	kg.cm ²	ASTM D-638	MIN 290
ELONGATION	%	ASTM D-638	MIN 900
TENSILE STRENGTH@YIELD	kg.cm ²	ASTM D-638	MIN 250
MELTING POINT	°C	ASTM D-2117	130-131