

Product Data Sheet

HB0035

High Density Polyethylene

Product Description

HB0035 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 HB 0035 exhibit high impact strength and good stress cracking resistance and high stiffness. HB 0035 contains antioxidant to protect the polymer from degradation during processing. HB 0035 is a highly crystalline, non-polar thermoplastic and has excellent chemical resistance and superb impact resistance at ambient conditions and even at cold temperatures.

Applications:

HB0035 is well suited for wide range of blow moulding applications due to its unique properties. These range from 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.).

Property	Unit	Value	Test Method
MFI (190 oC /2. 16 kg)	gr/10min.	0.35	ASTM D 1238
Density	gr/cm3	0.959	ASTM D 1505
Izod impact strength	Kg.cm/cm	25 min	ASTM D 256
Yellow index	--	-5 max.	ASTM D 1925
Ash content	wt%	0.06 max	ASTM D 1063
Volatile matter	wt%	0.05 max.	ASTM D 1960
Tensile strength @ break	gr/cm2	290 min	ASTM D 638
Elongation @ break	%	900 min	ASTM D 638
Melting point	oC	130	ASTM D 2117
Vicat softening point	oC	126	ASTM D 1525
ESCR	hr	15	ASTM D 1693