

Product Data Sheet

High Density Polyethylene

HDI 0860 UV is a high-density polyethylene, developed for the injection molding which presents high hardness and stiffness, besides low tendency to warpage. This resin has additives against the ultraviolet radiation action.

Application:

Industrial containers, Safety Helmets, Toilet seats, Housewares, Toys, Lids, Pallets, Boxes for beverages bottles, caps and closures.

Control & Typical Properties			
Feature	Method	Units	Values
Melt Flow Rates (190 °C/2.16 kg)	D 1238	g/10 min	7.2
Density	D 792	s/cm ³	0.957
Flexural Modulus - 1% Secant	D 2240	Mpa	1375
Tensile Strength at Yield	D 638	Mpa	30
Tensile Elongation at Break	D 638	Mpa	18
Izod Impact Strength	D 256	J/m	35
Deflection Temperature under Load at 0.455 Mpa	D 648	°C	73

¹ Typical values which can vary within specification limits and are not to be construed as specifications.

² 2.16 kg/190 °C.