

VP-HD-7700

Description:

VP-HD-7700 is an extrusion grade high density polyethylene which manufactured by the suspension polymerization of ethylene monomer. This grade offers excellent environmental stress cracking resistance (ESCR), good mechanical strength, and hot creep resistance. It is suitable for large diameter irrigation pipes (PE 100).

Features	Applications	Packaging
Excellent environmental stress cracking resistance, good mechanical strength, and hot creep resistance (ESCR).	Pipes, water pipes, gas pipes, pressure pipes, sewer pipes, pipe fittings	This is supplied in pellet form packed.

Physical properties	Unit	Typical value	Test method
MFR (190 °C / 5 Kg)	g/10min.	0.28	ISO 1133
MFR (190 °C / 21.6 Kg)	g/10min.	9.5	ISO 1133
Density	g/cm ³	0.950	ISO 1183
Thermal properties	Unit	Typical value	Test method
Melting temperature	°C	132	ASTM D-3418
Mechanical properties	Unit	Typical value	Test method
Tensile stress at break	MPa	38	ASTM D-638
Elongation at break	%	500	ASTM D-638
Notched izod impact	KJ/m ²	35	ASTM D-256
ESCR	hours	1000	ASTM D-1693