



HIPLEX TR-418 blue

HIPLEX[®] TR-418 blue is medium density polyethylene, high molecular weight, specially designed for pressure pipe manufacture. This blue compound combines easy processing with very good mechanical properties, an excellent resistance to UV radiation and thermal ageing, and very high environmental stress cracking resistance, which gives pipes and fittings a maximum useful life.

PROCESSING RECOMENDATIONS:

Processing temperature: 180-210^oC for extrusion

PROPERTIES:

PROPERTY	TEST METHOD	UNIT	VALUE
DENSITY	ISO 1183	kg/m ³	942
MELT FLOW RATE (190 ^o C/2,16 kg)	ISO 1133	g/10 min	0.17
MELT FLOW RATE (190 ^o C/5 kg)	ISO 1133	g/10 min	0.90
TENSILE STRENGTH AT YIELD (50mm/min)	ISO 527	MPa	19
ELONGATION AT BREAK (50mm/min)	ISO 527	%	800
SHORE D HARDNESS	ISO 868	Shore D	62
VICAT SOFTENING POINT (1 kg)	ISO 306	^o C	121
PIGMENT DISPERSION	ISO 13949	grade	≤ 3
THERMAL STABILITY (OIT, 200 ^o C)	ISO 10837	min.	> 40
ESC RESISTANCE (B, F ₅₀)	ASTM D 1693	h	> 2000

APPLICATION:

HIPLEX[®] TR-418 blue is recommended for pipe extrusion and injection moulding of fittings, especially high-pressure pipe systems such as potable water pipes, industrial pipes etc.

HIPLEX TR-418 blue is classified as an MRS 8 material. It confirms different national and international standards such as ISO 4427, ISO 4437, EN 1555 and EN 12201.

HIPLEX[®] TR-418 blue has Health Certificate issued by Institute for Health Protection of Serbia.

The values in this review are characteristic and are provided for guidance purposes only.

For any technical information about our products please mail to laboratorija@hip-petrohemija.co.yu