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HDPE HD 4440EA

HD-4440EA is a high density polyethylene copolymers containing butane-1 as the comonomer with narrow molecular weight distribution. It is for extrusion of silane crosslinked pipes

Producer	Characteristic Properties	Applications	Additive
Tabriz	HD4440EA has good impact strength, excellent surface finish. This grade has food contact approval	Hot water pipes Cold water pipe	

Typical Properties

Resin Properties	Unit	Typical Value	ASTM Method
MFI(190°C/ 2.16Kg)	g/10 min	4	ASTM D 1238
Density	g/ml	0.944	ASTM D 1505

Thermal Properties	Unit	Typical Value	Test Method
Vicat Softening	°C	117	ASTM D 1525
Melting Point	°C	130	ASTM D2117

Mechanical Properties	Unit	Typical Value	Test Method
Flexural Modulus	MPa	900	ASTM D 790
Tensile Strength at yield	MPa	18	ASTM D 638
Elongation at Break	%	900	ASTM D 638
Charpy Impact Strength	Kj/m ²	5	ASTM D 256
Hardness Shore D	-	62	ASTM D 2240
ESCR, F50, 10% Igepal	hr	18	ASTM D1894