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TABRIZ PETROCHEMICAL COMPANY

## HIGH DENSITY POLYETHYLENE HD5218EA

HDPE HD5218EA is a high-density polyethylene (HDPE) copolymer grade designed specifically for injection molding applications. It is characterized by its high flow rate, making it suitable for fast processing cycles and reducing molding warpage.

Producer	Characteristic Properties	Applications
TABRIZ	high tensile strength, good elongation at break excellent impact resistance.	general purpose injection molding with indoor applications

### Typical Properties

Resin Properties	Unit	Typical Value	Test Method
Melt Flow Index (190°C 2.16KG)	g/10min	18	ASTM D-1238
Density	g/cm <sup>3</sup>	0.952	ASTM D-1505
Yellow Index	-	-1	ASTM E-313
Whiteness Index	-	60	ASTM E-313
Vicat Softening Point	°C	115	ASTM D-1525
Tensile Stress at Yield	MPa	20	ASTM D-638
Elongation at Break	%	900	ASTM D-638
Charpy Impact	KJ/M <sup>2</sup>	3	ASTM D-6110