

TABRIZ Petrochemical Company

## General Purpose Polystyrene (GPPS)

### HD5218EA

HD5218EA is high density polyethylene copolymer containing butene-1(C4) as co monomer. It is suitable for thin wall injection molding applications. HD5218EA has the following characteristics: high warpage resistance, high flow, fast cycling injection molding. This grade has food contact approval.

Applications: general purpose injection molding with indoor applications.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
<b>MELT FLOW INDEX(190°C 2.16KG)</b>	g/10min	ASTM D-1238	18
<b>DENSITY</b>	gr/cm <sup>3</sup>	ASTM D-1505	0.952
<b>YELLOW INDEX</b>	-	ASTM E-313	-1
<b>WHITENESS INDEX</b>	-	ASTM E-313	60
<b>CONTAMINATION</b>	NO.	BP137	5
<b>VICAT SOFTENING POINT</b>	°C	ASTM D-1525	115
<b>TENSILE STRESS AT YEILD</b>	MPA	ASTM D-638	20
<b>ELONGATION AT BREAK</b>	%	ASTM D-638	900
<b>CHARPY IMPACT</b>	KJ/M <sup>2</sup>	ASTM D-6110	3

\*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S (Standard Sales Specifications).  
 Grade Suffix (Additives Indication) EA: GENERAL ANTIOXIDANT



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