

TABRIZ Petrochemical Company

General Purpose Polystyrene (GPPS)

HD5813UA

HD5813UA is high density polyethylene copolymer containing butene-1(C4) as co monomer. It is suitable for thin wall injection molding applications. HD5813UA has the following characteristics: high warpage resistance, high flow, fast cycling injection molding with UV stabilized.

Applications: general purpose injection molding with indoor & outdoor applications, houseware.

| PROPERTY | UNIT | TEST METHOD | TYPICAL VALUE |
|--------------------------------------|--------------------|-------------|---------------|
| MELT FLOW INDEX(190°C 2.16KG) | g/10min | ASTM D-1238 | 13 |
| DENSITY | gr/cm ³ | ASTM D-1505 | 0.958 |
| YELLOW INDEX | - | ASTM E-313 | -1 |
| WHITENESS INDEX | - | ASTM E-313 | 60 |
| CONTAMINATION | NO. | BP137 | 5 |
| VICAT SOFTENING POINT | °C | ASTM D-1525 | 115 |
| TENSILE STRESS AT YEILD | MPA | ASTM D-638 | 23 |
| ELONGATION AT BREAK | % | ASTM D-638 | 1000 |
| CHARPY IMPACT | KJ/M ² | ASTM D-6110 | 2 |

*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) UA: GENERAL ANTIOXIDANT WITH LIGHT STABILISER



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