

HD-13

License Grade Code H7260 (THE)



High Density Polyethylene (HDPE)

Product Description

"13" is a high density polyethylene with 1-Butene as co monomer. It is rigid, low warpage, good flow ability, high density, hardness and stiffness, good impact strength good stress cracking resistance.

Applications

- Injection moulding
- Crates
- Engineering parts
- Closures

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MASS DENSITY (230C)	g/cm ³	0.957	ISO 1183
MELT FLOW RATE (1900C/2.16KG)	10min	8	ISO 1133
MELT FLOW RATE (1900C/5 KG)	g/10min	23	ISO 1133
STRESS AT YIELD	MPa	29	ISO 527
FLEXURAL CREEP MODULUS (4POINT, 1MIN)	MPa	1550	DIN 19537-2
TENSILE MODULUS (230C, V = 1MM/MIN,	MPa	1350	ISO 527
STRESS AT BREAK	MPa	30	ISO 527
ELONGATION AT BREAK	%	>1000	ISO 527
ELONGATION AT YIELD	%	10	ISO 527
SOFTENING TEMPERATURE	°C	72	ISO 306
BRITTLE TEMPERATURE	°C	< - 80	ASTM D746-72
SHORE D HARDNESS	-	64	ISO 868
ESCR IN FULL NOTCH CREEP TEST (800C, 2%	h@2.5	1.5	ISO CD 16770
IMPACT STRENGTH (230°C)	Kj/m ²	2.5	ISO 179/1eA

Process condition

Recommended injection molding temperature: 200 - 280° C

Producer: Marun Petrochemical Co.

Licensor: Basell

Packing: 25 Kg plastic bag

IMPORTANT: The information and data presented herein are based on values from respective product manufacture. Therefore, no warranty or guarantee, expressed or implied, is made nor is any accountability accepted with respect to the use of such information and data. All mentioned data are typical values and not to be considered as legally binding specification.