

Persian Gulf Petrochemical Industry Commercial Co.

Mehr Petrochemical Company



Polymers



Chemical &
Aromatics



Fuel & Feeds
Stock

HDPE 2208J

Injection Grade

PROPERTIES	Test Method	Value	Value
Resin Properties			
Melt flow rate	ASTM D 1238 @ 190 °C, 2.16 kg	5.5	g/10 min
Density	ASTM D 1505	0.961	g/cm ³
Melting Point	ASTM D 2117	133	°C
Vicat Softening Point	ASTM D 1525	127	°C
Brittleness Temperature	ASTM D 746	-60	°C
Heat deflection temperature(HDT)	ASTM D 1693 @ 4.6 kg/cm ²	75	°C
ESCR	ASTM D 1693 @ 50 °C	4	hrs,F50
Tensile Strength at yield	ASTM D 638 @crosshead speed 50 mm /min	300	kg/cm ²
Tensile Strength at break	ASTM D 638 @crosshead speed 50 mm /min	240	kg/cm ²
Elongation at Break	ASTM D 638 @crosshead speed 50 mm /min	>1000	%
Flexural modulus	ASTM D 790	13000	kg/cm ²
Notched IZOD impact	ASTM D 256 @ 23 °C	3.5	kg.cm/cm
Hardness	ASTM D 2240	66	shore D

note: Conversion factor for changing unit from kg/cm² to Mpa is divided by 10.2

APPLICATION

large garbage bin, fruit basket
pallet ,crate
industrial parts for outdoor uses
good stiffness, impact resistance and processability
food contact application
wide service temperature range,UV resistance