TECHNICAL DATA SHEET

Grade : QAMAR FD21HN

Linier low-density polyethylene

Description

This grade is an ethylene-butene copolymer produced by Eastern Petrochemical Company “SHARQ” suitable for blown film productions.

Applications

- General bag
- Industrial bag
- Food package
- Zipper bag
- Sanitary film
- Garbage bag
- Stretch film
- Agricultural film
- Bag in box

Additive information

Slip agent : Yes, Anti-blocking agent : Yes

Nominal Resin Properties		Unit	Value	Test Method
MI (2.16kg/190°C)		g/10min.	2.0	ISO 1872-2
Density		g/cm^3	0.918	ASTM D4883
Melting point		°C	122	ISO 11357-3
Nominal Film Properties *1)		**Unit**	**Value**	**Test Method**
HAZE		%	14	ISO 14782
Dart Drop Impact		g	110	ISO 7765
Tensile Stress at Break	MD	MPa	40	ISO 527-3
	TD	MPa	35	
Nominal Tensile Strain at Break	MD	%	600	ISO 527-3
	TD	%	900	
Modulus of Elasticity in Tension	MD	MPa	190	ISO 527-3
	TD	MPa	210	
Elmendorf Tear Strength	MD	N/mm	30	ISO 6383-2
	TD	N/mm	140	

The information on above table shows typical properties and characteristics only and intended as guide, not as specification.

*1) Film properties were measured on 30 μm blown film produced on a 40 mm extruder, L/D 24, die width 75 mm, melt temperature 180°C, blow up ratio 2.0.

The product mentioned herein is not permitted to use medical, pharmaceutical, healthcare applications. In no event, their use for such applications shall be supported.

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