TDS TECHNICAL DATA SHEET

LDPE 2420H

Low Density Polyethylene · Film Grade

Also traded as **2420** · Origin: **Iran**

MFR (190 °C / 2.16 kg)	DENSITY	PROCESS	HAZE
1.9 g/10 min	**0.924** g/cm³	**Blown / Cast Film**	**< 8** %

PRODUCT DESCRIPTION

LDPE 2420H is a non-additivated low density polyethylene for blown and cast film. It offers good heat sealing, good optical properties and easy processing for medium-gauge films of 70 – 220 µm: packaging film, bags, pouches and shrink film. Not intended for medical applications.

- Good heat seal
- High clarity & gloss
- Good processability
- Additive-free

PROCESSING GUIDE

Process	**Blown & cast film**
Melt temperature	**160 – 200 °C**
Film thickness	**70 – 220 µm**
Additives	**None**

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Density	ISO 1183	g/cm³	**0.924**
Melt Flow Rate (190 °C / 2.16 kg)	ISO 1133	g/10 min	**1.9**
MECHANICAL			
Tensile Modulus	ISO 527-1, -2	MPa	**260**
Tensile Stress at Yield	ISO 527-1, -2	MPa	**11**
Tensile Strength at Break MD / TD	ISO 527-1, -3	MPa	**26 / 18**
Tensile Strain at Break MD / TD	ISO 527-1, -3	%	**250 / 600**
Dart Drop Impact (50 µm)	ASTM D1709	g	**110**
THERMAL			
Vicat Softening Temp. (A50)	ISO 306	°C	**94**
OPTICAL			
Haze (50 µm)	ASTM D1003	%	**< 8**
Gloss (60°, 50 µm)	ASTM D2457	—	**> 100**

APPLICATIONS


Packaging Film


Shrink Film


Bags & Pouches

PACKAGING

25 kg PE / woven bags

Palletised or jumbo on request

20′ / 40′ container loading

SUPPLY

Sea from Bandar Abbas, road or rail – **agreed per order**

FCA, CPT or DAP – terms in the offer

Pre-shipment inspection & export documents

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◆ DIRECT SUPPLY FROM IRAN ◆ PRIME VIRGIN GRADES ◆ LOT DETAILS IN EVERY OFFER ◆ EXPORT BY SEA, ROAD & RAIL

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The values above are typical and are not to be construed as specification limits. Users should verify suitability for their own process and application.