



POLYETHYLENE 2420D

GRADE NAME: LDPE 2420 D

CATEGORIES: POLYMER, THERMOPLASTIC, POLYETHYLENE, LOW DENSITY POLYETHYLENE

PROCESSING METHODS: BLOWN FILM

APPLICATIONS: FILM, LIGHT-DUTY FILMS, LAMINATE FILM

FEATURES: GOOD SHRINK PROPERTIES, GOOD PROCESSABILITY, GOOD DRAWDOWN ABILITY, GOOD TOUGHNESS, GOOD TEAR STRENGTHY

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Physical Properties

Properties	Value	Unit	Test Method
MFI(190°C/2.16 KG)	0.25	g/10min	ISO 1133
Density	0.923	g/cm3	ISO 1183
Mechanical Properties			
Properties	Value	Unit	Test Method
Film Elongation at Break, MD	200	%	ISO 527
Film Elongation at Break, TD	500	%	ISO 527
Tensile Modulus	240	MPa	ISO 527
Film Tensile Strength at Break, MD	27	MPa	ISO 527
Film Tensile Strength at Break, TD	20	MPa	ISO 527
Tensile Strength at Yield	10	MPa	ISO 527
Dart Drop Impact (50 blown film)	250	g	ASTM D1709
Thermal properties			
Vicat Softening Temp (A50 (50°C/h 10N))	94	°C	ISO 306
Optical Properties			
Properties	Value	Unit	Test Method
Gloss (60°C, 50)	>50	-	ASTM D2457
Haze (50)	<14	%	ASTM D1003