

# TECHNICAL DATASHEET

## POLYETHYLENE BRALEN+ FA 03-01

LDPE for film

### DESCRIPTION

BRALEN+ FA 03-01 is a film grade of low density polyethylene with good processability, flexibility, toughness and good tear strength. This grade is additives free.

### APPLICATIONS

BRALEN+ FA 03-01 is designed for production of heavy duty and shrink films. It is well suited for blow moulding of various containers, bottles, pipes, sheets and profiles extrusion and for injection moulding.

### PRODUCT COMPLIANCE

See DDS.

### PROPERTIES\*

Parameter	Note	Test method	Unit	Typical value
MFR - Melt Mass-Flow Rate (190°C, 2.16 kg)	-	ISO 1133-1	g/10 min	0.3
Density (23°C)	1	ISO 1183-1	kg/m³	920
Tensile Stress at Break (MD/TD)	6	ISO 527-1,3	MPa	26 / 27
Tensile Strain at Break (MD/TD)	6	ISO 527-1,3	%	500 / 570
Dart Drop	6	ISO 7765-1 method A	g	290
Haze	6	ASTM D1003	%	9.5
Hardness - Shore D	2	ISO 868	-	45
Vicat Softening Temperature	2	ISO 306/A 50	°C	93
Recommended Film Thickness	-	-	mm	0.07 - 0.22
Recommended Processing Temperature	-	-	°C	170 - 220

\*Typical properties, not to be used as specification.

- (1) Density has been measured on pressed mould specimen according to internal method.
- (2) Typical properties measured on standard injection moulded test specimen according to ISO 294-1.
- (6) Film properties tested using 50 µm thick blown film extruded at melt temperature of 200°C and blow up ratio 2.5:1.

### PROCESSING

BRALEN+ FA 03-01 can be used in conventional extrusion machines.

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### **STORAGE AND HANDLING**

Pellets are packed in 25 kg polyethylene bags and transported on shrink-wrapped or stretch-wrapped pallets at eligible load of polymer 1375 kg. Heat treated pallets are provided by PRS, a member of the Faber Halbertma Group, operating a pooling system which collects the pallets after use, and organizes reuse as part of a sustainable, circular system. PRS pallets remain property of PRS at all times. Transportation in road silo or rail silo is also available.

Since polyethylene is a combustible substance, the fire safety rules applicable for combustible materials in warehouses and store rooms should be observed.

If polymer is stored in conditions of high humidity and fluctuating temperatures, then atmospheric moisture can condense inside the packing. If it happened, it is recommended the pellets to be dried before use. During the storage polyethylene should not be exposed to UV radiation and temperatures above 40°C. Producer does not take responsibility for any damages caused by adverse storage.

### **REACH STATEMENT**

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered. SLOVNAFT, a.s. is committed to fully respect legislation and will only use REACH compliant raw materials. At this point in time LDPE BRALEN+ does not contain any substances specifically identified as SVHC at levels greater than 0.1%.

### **RECYCLING**

Polyethylene resins are suitable for recycling using modern recycling methods. In-house production waste should be kept clean to facilitate direct recycling.

### **SAFETY**

See MSDS.

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## POLYETHYLENE BRALEN+ FA 03-01

### LDPE for film

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