

# BRALEN® RB 03-23

Low Density Polyethylene  
Slovnaft Petrochemicals, s.r.o.

Message:

BRALEN RB 03-23 is a general purpose grade of low density polyethylene. It is characterized by high environmental stress cracking resistance and very good mechanical properties. This grade is additives free.

Applications

BRALEN RB 03-23 is designed for production of heavy duty and shrink films of thickness 0.07 - 0.25 mm. It is well suited for blow moulding of various containers, pipes, sheets and profiles extrusion and also for injection moulding. It is suitable for toys production.

BRALEN RB 03-23 is suitable for food contact. The product complies with Food Contact Regulations. The grade is suitable for manufacturing of pharmaceutical packing-product.

General Information			
Features	Additive Free		
	Food Contact Acceptable		
	General Purpose		
	High ESCR (Stress Crack Resist.)		
	Low Density		
	Recyclable Material		
Uses	Blow Molding Applications		
	Containers		
	Film		
	General Purpose		
	Piping		
	Profiles		
	Sheet		
	Shrink Wrap		
	Toys		
Forms	Pellets		
Processing Method	Blow Molding		
	Film Extrusion		
	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ISO 1183/C
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore D, Injection Molded)	47		ISO 868
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	70	μm	
Film Thickness - Recommended / Available	0.07 to 0.25 mm		
Tensile Strength			ISO 527-3
MD : 70 μm, Blown Film	24.0	MPa	
TD : 70 μm, Blown Film	22.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 70 μm, Blown Film	400	%	
TD : Break, 70 μm, Blown Film	500	%	
Dart Drop Impact (70 μm, Blown Film)	300	g	ISO 7765-1/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.0	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (70.0 μm, Blown Film)	18	%	ISO 14782
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 210	°C	

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#### Recommended distributors for this material

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