

Flexirene® MS 20 U

Linear Low Density Polyethylene

Versalis S.p.A.

Message:

Flexirene MS 20 U is a linear low density polyethylene (LLDPE) with antioxidants, suitable for injection moulding application. Parts made by Flexirene MS 20 U are characterised by optimum low temperature properties.

Main Application

Flexirene MS 20 U is recommended for the production of lids, caps and closures for chemical products and containers, and is suggested for low temperature applications. Flexirene MS 20 U is characterised by a high flowability which makes it ideal for masterbatches preparation for LDPE and LLDPE.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	High Flow		
	Low Density		
	Low Temperature Resistant		
Uses	Caps		
	Closures		
	Lids		
	Low Temperature Applications		
	Masterbatch		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	26	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	48		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Injection Molded	9.00	MPa	
Break, Injection Molded	10.0	MPa	
Tensile Strain (Break, Injection Molded)	> 500	%	ISO 527-2
Flexural Modulus (Injection Molded)	150	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746

Vicat Softening Temperature	88.0	°C	ISO 306/A
Melting Temperature	116	°C	Internal Method
Injection	Nominal Value	Unit	
Rear Temperature	160 to 210	°C	
Middle Temperature	160 to 210	°C	
Front Temperature	160 to 210	°C	
Mold Temperature	10.0 to 40.0	°C	

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