Ipethene® 830

Low Density Polyethylene

Carmel Olefins Ltd.

Message:

IPETHENE ® 830 is a low density polyethylene injection molding grade, produced by high pressure autoclave technology. It is a high MFR grade with excellent flow properties allowing short cycle time and easy filling of long flow-paths. The molded article is characterized by low degree of build in stress, low warpage, high stiffness and flexibility.

General Information			
Features	Good Flexibility High Flow High Stiffness Low Density Low Warpage		
Uses	Containers Cups Household Goods Lids Toys		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.921	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	47		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	9.50	MPa	ISO 527-2
Tensile Strain (Break)	100	%	ISO 527-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	90.0	°C	ISO 306
Melting Temperature [1]	109	°C	ISO 11357-3
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	160 to 220	°C	
Mold Temperature	10.0 to 40.0	°C	
NOTE			
1.	By DSC		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China