

RheTech Polyethylene E206-01

Linear Low Density Polyethylene

RheTech, Inc.

Message:

Linear Low Density Polyethylene, Black

General Information			
Features	Low density		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.927	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	10.3	MPa	ASTM D638
Flexural Modulus	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	800	J/m	ASTM D256
Dart Drop Impact	22.6	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	57.2	°C	ASTM D648
1.8 MPa, not annealed	35.6	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	37.8 - 48.9	°C	
Drying Time	1.0 - 2.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	138 - 154	°C	
Middle Temperature	143 - 166	°C	
Front Temperature	154 - 171	°C	
Nozzle Temperature	149 - 160	°C	
Mold Temperature	15.6 - 26.7	°C	
Injection Pressure	2.76 - 9.65	MPa	
Injection Rate	Moderate-Fast		
Holding Pressure	2.07 - 8.27	MPa	
Back Pressure	0.345 - 0.689	MPa	
Injection instructions			

Injection Speed: moderate to fastScrew RPM: slow to moderateCycle Time: application dependent

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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

