

Alathon® M5562

High Density Polyethylene Copolymer
LyondellBasell Industries

Message:

ALATHON M5562 is a copolymer with medium molecular weight distribution. This resin provides moderate stiffness, toughness and stress crack resistance. Typical applications include nozzle valves and specialty injection molded parts.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Stiffness		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	Med.-Wide Molecular Weight Distrib.		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Spiral Flow	27.7	cm	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield ¹	28.3	MPa	
Break	14.3	MPa	
Tensile Elongation ² (Yield)	10	%	ASTM D638
Flexural Modulus ³			ASTM D790
1% Secant	1210	MPa	
2% Secant	993	MPa	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	72.0	°C	ASTM D648
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	127	°C	ASTM D1525
Injection	Nominal Value	Unit	
Rear Temperature	232	°C	
Middle Temperature	243	°C	

Front Temperature	246	°C
Nozzle Temperature	246	°C
NOTE		
1.	51 mm/min	
2.	51 mm/min	
3.	13 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

