

NOVAPOL® TR-0735-U(UG)

Linear Low Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® TR-0735-U(UG) is a Linear Low Density Polyethylene material. It is available in North America for compression molding or rotational molding.

Important attributes of NOVAPOL® TR-0735-U(UG) are:

- Flame Rated
- Antioxidant
- Food Contact Acceptable
- Good Processability
- Impact Resistant
- Typical applications include:
 - Food Contact Applications
 - Plumbing/Piping/Potable Water
 - Consumer Goods
 - Engineering/Industrial Parts
 - Household Applications

General Information	
UL YellowCard	E146584-223449
Additive	Antioxidant
	UV Stabilizer
Features	Antioxidant
	Food Contact Acceptable
	Good Impact Resistance
	Good Processability
	Low Density
Uses	Engineering Parts
	Household Goods
	Outdoor Applications
	Toys
Agency Ratings	FDA 21 CFR 176.170(c), Table 2, Cond. C
	FDA 21 CFR 176.170(c), Table 2, Cond. D
	FDA 21 CFR 176.170(c), Table 2, Cond. E
	FDA 21 CFR 176.170(c), Table 2, Cond. F
	FDA 21 CFR 176.170(c), Table 2, Cond. G
	FDA 21 CFR 176.170(c), Table 2, Cond. H
	FDA 21 CFR 177.1520(c) 3.2a
	NSF 14
	NSF 24
	NSF 61

Forms	Pellets
Processing Method	Compression Molding Rotational Molding

Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238

Environmental Stress-Cracking Resistance			
50°C, 10% Igepal, Compression Molded, F50	> 1000	hr	ASTM D1693B
50°C, 100% Igepal, Compression Molded, F50	> 1000	hr	ASTM D1693A

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 1.90 mm, Compression Molded)	17.1	MPa	ASTM D638
Tensile Elongation ² (Yield, 1.90 mm, Compression Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	680	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
ARM Impact - Rotational Molded			ARM
-40°C, 3.18 mm	68.0	J	
-40°C, 6.35 mm	203	J	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	58.0	°C	
1.8 MPa, Unannealed	42.0	°C	
Peak Melting Temperature	125	°C	ASTM E794

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

NOTE	
1.	Type IV, 51 mm/min
2.	Type IV, 51 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

