

NOVAPOL® TR-0535-UI(UIG)

Linear Low Density Polyethylene

NOVA Chemicals

Message:

NOVAPOL® TR-0535-UI(UIG) is a Linear Low Density Polyethylene material. It is available in North America for compression molding or rotational molding.

Important attributes of NOVAPOL® TR-0535-UI(UIG) are:

- Antioxidant
- Food Contact Acceptable
- Good Stiffness
- High ESCR (Stress Crack Resistant)
- Impact Resistant
- Typical applications include:
 - Food Contact Applications
 - Plumbing/Piping/Potable Water Tanks
 - Consumer Goods
 - Marine Applications

General Information	
UL YellowCard	E146584-223448
Additive	Antioxidant
	UV Stabilizer
Features	Antioxidant
	Food Contact Acceptable
	General Purpose
	Good Stiffness
	High ESCR (Stress Crack Resist.)
	Low Temperature Impact Resistance
	Medium Density
Uses	Agricultural Tanks
	General Purpose
	Marine Applications
	Septic Tanks
	Toys
Agency Ratings	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 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)	5.0	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)	17.5	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	67.0	J	
-40°C, 6.35 mm	217	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
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

