Manufacturer website: https://www.sibur.ru/en/

Technical Data Sheet

PE 15303-003

Low-Density Polyethylene

PRODUCT DESCRIPTION

PE 15303-003 is a film grade of low-density polyethylene. The grade is additive free.

TYPICAL APPLICATIONS

PE 15303-003 is recommended for film extrusion, including thin films, food packaging and technical films. It complies with EU Food Contact Regulations.

Physical Properties	Typical values*	Method
Melt Flow Rate, g/10 min (190 °C/2.16 kg)	0.3	GOST 11645 (method similar to ISO 1133)
Density, g/cm3	0.921	GOST 15139
Process test for film appearance	B	GOST 16337, par.3.15
Tensile Stress at Yield, MPa (500 mm/min)	9.8	GOST 11262 (method similar to ISO 527-2)
Tensile Stress at Break, MPa (500 mm/min)	13.7	GOST 11262 (method similar to ISO 527-2)
Elongation at Break, % (500 mm/min)	600	GOST 11262 (method similar to ISO 527-2)
Environmental Stress Cracking resistance, hrs	500	GOST 13518
Mass fraction of extractable substances, %	0.4	GOST 26393
Odour and taste of aqueous extracts, points	1	GOST 22648

*Typical values; not for specification

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REACH Statement

Polymers are exempted from registration under REACH. However, the corresponding monomers (used as raw materials for polymer production) and relevant additives have been registered.

PJSC «Sibur Holding» (and its subsidiaries) is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

Safety

See MSDS

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